Flora of the North Shore of Lake Superior (Vascular Plants of the Ontario Portion of the Lake Superior Drainage Basin)

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and
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OF LAKE SUPERIOR

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A B S T R A C T

This study is based on botanical explorations carried out in the Ontario portion of the Lake Superior drainage basin. Collections of vascular plants were examined from a five-year survey carried out for the National Museum of Canada by R.C. Hosie, T.M.C. Taylor and their associates (1935-1939), as well as from more recent botanical explorations in the area by C.E. Garton, J.H. Soper and D.R. Given. Twelve hundred and eleven species of vascular plants (994 native and 217 introduced) are listed with tabular distribution indicated for nine subdivisions of the north shore of Lake Superior. There are brief discussions, with examples, of different types of geographical distribution represented by some of the species in the flora. A separate list of the rare species is provided.

R É S U M É

Cette étude porte sur des explorations botaniques effectuées dans la portion ontarienne du bassin d'écoulement du lac Supérieur. Les auteurs ont examiné les collections de spécimens qui ont été récoltés annuellement de 1935 à 1939 par R.C. Hosie, T.M.C. Taylor et leurs collaborateurs, sous la direction du Musée National du Canada. On a aussi inclus dans cette étude les collections plus récentes faites dans la même région par C.E. Garton, J.H. Soper et D.R. Given. Un catalogue sous forme de tableau présente la distribution de 1 200 espèces de plantes vasculaires (994 indigènes et 217 introduites) de neuf sous-régions de la côte nord du lac Supérieur. Certaines espèces de la flore ont été utilisées pour représenter les différents types de distribution géographique brièvement discutés dans ce travail. Une liste distincte indique les espèces rares de la région.

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INTRODUCTION

The north shore of Lake Superior has been receiving a great deal of attention from botanists during recent years. However, it was in the middle of the nineteenth century that the European-trained naturalist, Louis Agassiz, first called attention to the arctic-alpine component of the flora of that region. In 1848 he made a canoe trip from Sault Ste. Marie to the Kaministiquia River and back (Agassiz, 1850) and noted the occurrence, mostly near the shore of the lake, of plants resembling alpine species of Europe. Subsequently, this aspect of the flora and the occurrence of western American disjuncts in the Upper Great Lakes Region have been the subjects of several publications (Fernald, 1935; Soper & Maycock, 1963; Given & Soper, 1981; Marquis & Voss, 1981).

Slightly more than a quarter of a century has passed since the section of the Ontario highway joining Wawa and Marathon was officially opened (1960), thereby completing the Lake Superior portion of the Trans-Canada Highway (Ontario Highway No. 17). The magnificent scenery along the north shore has attracted many visitors. Others have gone there to explore the geology, vegetation or wildlife (Anon., 1981; Baxter, 1983; Beechey, 1974; Harrington, 1964; Phillips, 1975; Soper, 1963; Waters, 1987). Botanists have taken advantage of the new road to explore parts of the lakeshore, and of the region between it and the highway, that had previously been difficult to reach.

The scientific exploration of the Upper Great Lakes region during the nineteenth century has been well documented by Voss (1978). A summary of botanical exploration in the Lake Superior region since 1900 has been presented (Given & Soper, op. cit.) but additional details are given here concerning the series of five surveys sponsored by the National Museum of Canada between 1935 and 1939. The collections that resulted from those surveys form a major part of the basis for the checklist presented here.

Although financial support for the 1935-1939 Lake Superior surveys was provided by the National Museum of Canada, the leaders and principal staff of the expeditions were members of the Departments of Botany and of Forestry at the University of Toronto. They were assisted by students and, on several occasions, zoologists joined the expeditions in order to gather information on mammal and bird populations.

These surveys constituted the first attempt at intensive botanical exploration of the Ontario portion of the north shore of Lake Superior. Their purpose was to obtain collections and records of vascular plants, mammals and birds of the region and to gather information on habitat, ecological relationships and economic considerations. The following is a summary indicating the location, duration, participants and results of the five summers' investigations.

(1) 1935 - BATCHAWANA: Location. - The first area to be investigated was a section of Algoma District lying between the Lake Superior shore and a line from Mica Bay passing south of Pancake Lake to a point where this line would cross the Harmony River (see map in Hosie 1938, p. 9, fig. 1). Batchawana Island was included in the survey. A list of eleven places that were more or less intensively studied was given by Anderson (1936, p. 18). The main base camp was one of the Ontario Northern Development road camps on the Trans-Canada Highway at about the middle of the area. Centre of area: 47°00' N, 84°37'W. Dates. - The field work extended from July 12 to September 20, 1935. Staff. - The botany-forestry part of the team consisted of R.C. Hosie, T.M.C. Taylor, A.P. Leslie, S.T.B. Losee and R.E. Fitzpatrick. Results. - In addition to the collections of botanical specimens, numbering about 2500 and mostly with three replicates of each, some 300 photographs were taken of the terrain, plant associations and

individual plant species. Publication. - The formal report on this first survey consisted of an illustrated account of the vegetation, including detailed descriptions of the plant associations, together with an annotated catalogue of the vascular plants (ca. 700 taxa) and a report on the mammal populations (Hosie, 1938).

(2) 1936 - SIBLEY: Location. - The second biological survey of this series took place in the Thunder Cape area, comprising the greater part of Sibley Forest Reserve in Sibley Township, Thunder Bay District. The northern boundary of the area was a line running eastward from Vigar's Point (McTavish Tp.) and passing just north of Pass Lake and through the Canadian National Railway's station of the same name. Special attention was given to the southern third of the Sibley Peninsula. This peninsula is bordered on the west by Thunder Bay and on the east by Black Bay. Isle Royale (Michigan) is 20-25 km (12-15 miles) southward in Lake Superior. A list of thirteen areas that were examined more or less intensively was included in the report by Anderson (1937, pp. 19-20). The base camp for most of the field season was a group of tents pitched on the north side of Burnt Island near the dock at Silver Islet Landing. Cente of area. - 48°26'N, 88°45'W. Dates. - From June 18 to September 11, 1936. Staff. - The field party consisted of T.M.C. Taylor, S.T.B. Losee, M.W. Bannan and two zoologists. Results. - About 2300 specimens were collected (with at least three replicates of each), together with numerous photographs. Two reports by T.M.C. Taylor were submitted to the National Museum in manuscript form: one on the Vegetation of Sibley Township (55 pp., 34 figs.) and the other comprising a Catalogue of Flowering Plants and Ferns (114 pp., incl. about 600 taxa). These unpublished reports are on file at the National Herbarium of Canada in Ottawa.

(3) 1937 - SCHREIBER AND THE SLATE ISLANDS: Location. - This survey encompassed an area along the north shore of Lake Superior from the Steel River (Bottle Point) west to the Nipigon River and included several offshore islands (Wilson Is., Copper Is., and St. Patrick Is.). Collecting was done mainly along the lakeshore between Rossport and Terrace Bay or within a mile or two of the highway, but trips were made farther inland around the town of Schreiber. Also, two weeks were spent exploring the Slate Islands, including the Leadman Group. Eleven areas that were explored intensively were listed by Anderson (1938, p. 11). The main base camp was set up at Walker Lake, just west of Schreiber and a temporary one in a cabin on the Slate Islands. Centre of area. - 48°50'N., 87°15'W. Dates. - June 23 to September 11, 1937. Staff. - The party consisted of R.C. Hosie, S.T.B. Losee and M.W. Bannan. Results. - Over 2200 collections were made in triplicate and about 100 photographs were taken. A report on the Vegetation of Schreiber Area and the Slate Islands (83 pp., 24 figs.) was prepared by R.C. Hosie and a Catalogue of Flowering Plants and Ferns (115 pp., incl. 600 taxa) by T.M.C. Taylor. Copies of these unpublished manuscripts are on file at the National Herbarium.

Interesting botanical discoveries on this survey included Lycopodium sitchense, Cystopteris montana, Polygonum viviparum, Dryas drummondii, D. integrifolia, Empetrum nigrum and Euphrasia arctica. Dryas was found only on the Slate Islands.

(4) 1938 - MICHIPICOTEN: Location. - The fourth survey was carried out in the immediate vicinity of Michipicoten, Algoma District, using the roads, railway and streams as access routes. The Lake Superior shore was also explored between Brûlé Bay and the Doré River. The base camp was at

the Michipicoten Mission in the town of Michipicoten River. Centre of area. 47°55'N, 84°49'W. Staff. - R.C. Hosie was in charge of the party and was assisted by H.M. Harrison and E.O. Hughes. Dates. - Field work was carried out from June 17 to September 16, 1938 (Anderson, 1939). Results. - The collections consisted of about 3000 specimens (mostly with three replicates) and some 100 photographs. A report on the Vegetation of Michipicoten (101 pp., 26 figs.) was prepared by R.C. Hosie and a Catalogue of Flowering Plants and Ferns (125 pp., incl. 650 taxa) by T.M.C. Taylor. Copies of these reports are on file at the National Herbarium.

(5) 1939 - PENINSULA: Location. - The last of these surveys was centered at Peninsula (now Marathon) in Pic. Tp., Thunder Bay District (Anderson, 1949). The original name was derived from that of a nearby point on Lake Superior known as "The Peninsula" (48°43'N, 86°24'W). The field party, consisting of T.M.C. Taylor, M.W. Bannan and H.M. Harrison, spent eleven weeks in the area and collected about 2500 specimens (mostly with four replicates), yielding nearly 700 taxa.

The writing of the reports on the Peninsula survey was undertaken by the late Professor Taylor and was virtually complete by the spring of 1941. War service then intervened and, shortly afterwards, Professor Taylor left the University of Toronto to take up a position in the Department of Botany at the University of British Columbia. With financial assistance from the National Museum, he returned to Toronto in 1947 to review the collections from all five of the Lake Superior surveys. He had permission to combine the results of these surveys into a single comprehensive report for publication. Unfortunately, this work was not completed and no reports detailing the 1939 field work have been found

on file at the National Herbarium. However, the entire collection from all five surveys was identified by 1948 and the material was divided for distribution to a number of herbaria. The two largest and most complete sets (each with some unicates) were deposited at the National Herbarium of Canada, Ottawa (CAN) and at the herbarium of the University of Toronto (TRT). The balance of the material was sorted at the National Herbarium, and according to their records, these replicates were made up into small sets distributed as follows: (a) specimens from three of the five expeditions - The Gray Herbarium (GH), Herbier Marie-Victorin (MT), Institut Agronomique d'Oka (LT, now incorporated in QFA), Swedish Museum of Natural History, Stockholm (S), and Intermountain Herbarium, Utah State University (UTC); (b) specimens from two expeditions - MICH, NY, UPS; (c) - specimens from a single expedition - ACAD, C, DS, GB, ISC, LCU, SASK, UC, US, V, WS, and WTU. The abbreviations for herbaria follow Holmgren et al. (1981).

THE CHECKLIST

The checklist is based mainly on collections housed in the following herbaria: National Herbarium of Canada, Ottawa (CAN), Agriculture Canada, Biosystematics Research Centre, Ottawa (DAO), Lakehead University, Thunder Bay (LKHD), and the University of Toronto (TRT). In addition to the voucher specimens for the five-year survey by T.M.C. Taylor et al., these herbaria contain the largest sets of collections in the area by C.E. Garton (1933-1987), J.H. Soper (1961-1973) and D.R. Given (1973). Records based on some collections by E.G. Voss in the herbarium of the University of Michigan, Ann Arbor (MICH) have also been included.

The nomenclature mostly follows that of Scoggan (1978-79) but a number of more recent revisions have been used, such as the checklist for Ontario pteridophytes (Britton, 1984, 1985). The additional publications consulted but not cited in the text are listed in Appendix I.

Names of introduced species are marked in the list with a plus sign (+). A series of alphabetic and numeric codes has been used to give an indication of the general type of habitat in which the species occur. The letters and numbers used, singly or in a string, represent the situations s follows: D - Dry; M - Mesic (middle); W - Wet

(1) - Waste places; roadsides, railways, gravel pits

(2) - Aquatic: in or along open water of bays, lakes, ponds, lagoons, rivers, streams

(3) - Mires: bogs, swamps, muskegs

(4) - Meadows: prairies, grass steppes

(5) - Forest: hardwood, coniferous, mixed

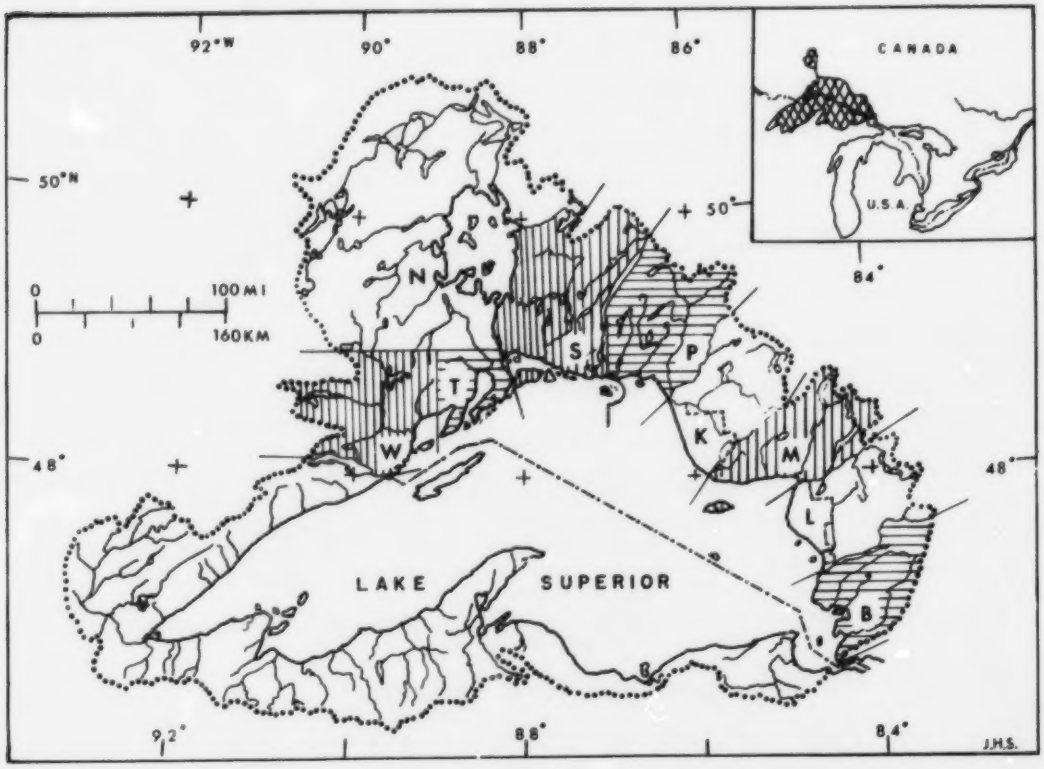
(6) - Woodland: open woods, borders of woods, savannah, parkland

(7) - Shores: sand beaches or dunes, gravel, pebble or cobblestone shingles, clay flats

(8) - Rock exposures: pavement, cliffs, talus slopes

(9) - Cultivated areas and borders: fencerows, hedgerows, fields, gardens, urban sites

Following the habitat code(s), the local distribution of each species is shown by marking its occurrence in one or more of the nine columns that represent the geographic subdivisions. These subdivisions partition the total area of the Ontario portion of the drainage basin of Lake Superior into smaller sections (see Figure 1) so as to highlight those areas that have been the subject of botanical surveys or are of special interest by



LEGEND

Figure 1. The Lake Superior Drainage Basin (outlined by dots on the map.). Inset: location of Lake Superior in The Great Lakes of North America. The Checklist covers the Ontario portion that has been divided into nine contiguous areas as follows:

W - southwesternmost part of Thunder Bay District, T - Thunder Cape, N - Lake Nipigon, S - Schreiber, P - Peninsula, K - Pukaskwa, M - Michipicoten, L - Lake Superior Provincial Park, B - Batchawana. (A description of the boundaries of these areas is given in the text.)

virtue of the location therein of a national or provincial park. The five surveys undertaken by the University of Toronto in the 1930s are covered by five of these subdivisions labelled as follows: "B" (Batchawana - 1935), "T" (Thunder Cape - Sibley Peninsula, 1936), "S" (Schreiber and Slate Islands - 1937), "M" (Michipicoten - 1938) and "P" (Peninsula (Marathan), Pic Tp. - 1939). Pukaskwa National Park (Garton, 1975) is included in "K" and Lake Superior Provincial Park (Anon, 1985; Reznicek, 1985) in "L". "W" is the westernmost part of Thunder Bay District (Garton, 1984; Hartley, 1968) south of 49° N from the Nipigon River west to the Minnesota border and "N" includes the Lake Nipigon drainage basin and the area along the Nipigon River.

Composition of the Flora

Introduced Species. - The present list contains 1211 taxa, 217 of which are introductions (18% of the total). This percentage is significantly lower than that found in the flora of southern Ontario, where the introduced species make up 25 to 30% of the flora. Also, only 18 of the introduced species (1.5% of the total flora) have as yet been recorded in all nine of the geographical subdivisions used in the checklist. These include such common weeds of roadsides and waste places as Agropyron repens, Agrostis gigantea, Dactylis glomerata, Phleum pratense, Plantago major, Ranunculus acris, Trifolium pratense and T. repens.

Native Species. - In contrast to the above, 261 of the 994 indigenous species in the list (26%) have been found in all nine subdividions of the north shore of Lake Superior. Although some of these are also found in southern Ontario, most are species that are typical of the mainly

coniferous Boreal Forest Region or the mixed conifer-hardwoods of the Great Lakes-St. Lawrence Forest Region (Rowe, 1959). The following examples have been arbitrarily grouped under several headings according to growth habit or habitat.

Trees: Abies balsamea, Betula papyrifera, Larix laricina, Picea glauca, P. mariana, Pinus banksiana, Populus tremuloides, Prunus pensylvanica, Sorbus decora, Thuja occidentalis.

Shrubs: Acer spicatum, Alnus incana ssp. rugosa, A. viridis ssp. crispa, Potentilla fruticosa, Prunus virginiana, Ribes glandulosum, Rosa acicularis, Salix bebbiana, Spiraea alba.

Herbs: Aster macrophyllus, Clintonia borealis, Cornus canadensis, Cypripedium acaule, Dryopteris fragrans, Equisetum sylvaticum, Galium triflorum, Geocaulon lividum, Halenia deflexa, Lycopodium clavatum, Lysimachia terrestris, Melampyrum lineare, Mertensia paniculata, Mitella nuda, Petasites frigidus, Polygonum cilinode, Trillium cernuum, Viola adunca, V. blanda, V. renifolia.

Bogs and Aquatic Habitats: Andromeda glaucophylla, Chamaedaphne calyculata, Drosera rotundifolia, Dulichium arundinaceum, Hippuris vulgaris, Kalmia polifolia, Ledum groenlandicum, Listera cordata, Lonicera villosa, Menyanthes trifoliata, Myrica gale, Polygonum amphibium, Rhynchospora alba, Salix pedicellaris, S. pyrifolia, Scheuchzeria palustris, Smilacina trifolia, Triadenum fraseri, Utricularia cornuta, U. intermedia.

Disjuncts. - In the Lake Superior drainage basin there are a number of vascular plants that are disjuncts, having the major part of their area of distribution in western North America (Marquis & Voss, 1981). In the examples that follow, the species accompanied by (E) are also know from one or more localities in the St. Lawrence River basin of eastern Canada: Arnica cordifolia, Astragalus adsurgens var. robustior, Collinsia parviflora (E), Galium kamtschaticum (E), Moehringia macrophylla (E), Oplopanax horridus, Osmorhiza chilensis (E), Poa canbyi (E), Potentilla rivalis, Rubus parviflorus, Vaccinium membranaceum, V. ovalifolium.

Western Species - Some species of western affinity are at the edge of their range in Ontario and are found only in section "W", the westernmost of the nine geographical subdivisions. Included in this category are Adoxa moschatellina, Betula occidentalis, Cirsium drummondii, Erigeron lonchophyllus, Heuchera richardsonii, Koeleria pyramidata, Orthocarpus luteus and Oxytropis viscida.

Prairie Species. - Species characteristic of western or southwestern prairies are Allium stellatum, Festuca hallii, Heterotheca villosa, Solidago missouriensis and Stipa spartea.

Northern Species. - Some of the typical northern or arctic species found in the area are Astragalus alpinus, Calamagrostis purpurascens, Polygonum viviparum, Pyrola grandiflora, Saxifraga tricuspidata, Senecio congestus and Woodsia alpina.

Great Lakes Endemic. - Cirsium pitcheri is a good example in this category.

Species with a gap in distribution. - There is a fairly large group of species that occur at both the eastern and western ends of Lake Superior but are absent along central part of the north shore of the lake. Some of these are Arisaema triphyllum, Aronia melanocarpa, Aster laevis, Caulophyllum thalictroides, Celastrus scandens, Circaea lutetiana ssp. canadensis, Comandra umbellata, Dirca palustris, Leersia oryzoides, Parthenocissus vitacea, Populus grandidentata and Ulmus americana.

Rare Species. - Seventy-one species in the checklist (5.8%) have been designated as rare or endangered in Ontario (Argus & White, 1982, 1983; Argus & Keddy, 1984; Pryer & Argus, 1987) and eighteen of these are rare in Canada (Argus & Pryer, 1989). If further botanical exploration uncovers additional localities for these species, some of them may be removed from these categories. Although it would have been possible to note their rare status by means of a special symbol in the checklist, the full list is given here for easy reference. An asterisk (*) indicates species also rare in Canada.

Adenocaulon bicolor
Adoxa moschatellina
* Agropyron psammophilum
Allium stellatum
Antennaria parvifolia
Antennaria rosea
Arenaria humifusa
Arnica cordifolia
Arnica lonchocarpa
Aster prealtus
var. prealtus
Astragalus adsurgens
var. robustior
* Botrychium hesperium
Botrychium lanceolatum
var. angustisegmentum
Bromus pumpellianus
Calamagrostis purpurascens
* Carex appalachica
(see C. radiata)
Carex atratiformis
Carex haydenii
Carex loliacea
Carex supina
ssp. spaniocarpa
Carex wiegandii

* Chenopodium leptophyllum
Cirsium drummondii
* Cirsium pitcheri
Collinsia parviflora
* Coreopsis lanceolata
Cuscuta cephalanthii
Cystopteris montana
Disporum trachycarpum
Dryas drummondii
Elymus glaucus
Festuca hallii
Galium kamtschaticum
* Gymnocarpium robertianum
Heterotheca villosa
* Hieracium venosum
var. nudicaule
Juncus acuminatus
Juncus greenei
Koeleria macrantha
Listera borealis
* Malaxis paludosa
Moehringia macrophylla
Muhlenbergia racemosa
* Najas gracillima
* Oenothera pilosella
Oplopanax horridus
Oxytropis viscida
(see O. leucantha)
* Pellaea atropurpurea
Phacella franklinii
Poa canbyi
* Polygonella articulata
Polystichum braunii
var. purshii
Potamogeton confervoides
Potentilla gracilis
Potentilla hippiana
Potentilla multifida
Potentilla rivalis
Pterospora andromedea
* Sagittaria graminea
var. cristata
Scirpus clintonii
* Scirpus heterochaetus
* Solidago glutinosa
ssp. randii
Solidago missouriensis
Solidago rigida
Sparganium emersum
var. multipedunculatum
Stipa spartea
* Torreyochloa pallida
Vaccinium membranaceum
Vaccinium ovalifolium
* Woodsia alpina
Woodsia scopulina

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CHECKLIST OF THE VASCULAR PLANTS OF THE NORTH SHORE OF LAKE SUPERIOR

PTERIDOPHYTA

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
ADIANTACEAE (see POLYPODIACEAE)										
ASPLENIACEAE (see POLYPODIACEAE)										
EQUISETACEAE										
Equisetum arvense L.	134679	x	x	x	x	x	x	x	x	x
E. fluviatile L.	W1237	x	x	x	x	x	x	x	x	x
E. hyemale L.	D1567	x	x	x	x	x	x	x		x
E. laevigatum A.Br.	W17	x	x	x			x	x		x
E. palustre L.	W1237	x	x	x	x	x	x	x	x	x
E. pratense Ehrh.	4567	x	x	x	x	x	x	x	x	x
E. scirpoides Michx.	567	x	x	x	x	x	x	x		x
E. sylvaticum L.	1356	x	x	x	x	x	x	x	x	x
E. variegatum Schleich.	W1346	x	x	x	x	x	x	x		x
ISOETACEAE										
Isoëtes echinospora Dur. (*I. braunii* Dur.; *I. muricata* Dur.	2	x	x	x	x	x	x	x	x	x
I. macrospora Dur.	2	x	x	x						
LYCOPODIACEAE										
Lycopodium annotinum L.	3678	x	x	x	x	x	x	x	x	x
L. clavatum L.	67	x	x	x	x	x	x	x	x	x
L. complanatum L. (incl. *L. digitatum* A.Br.)	67	x	x	x	x	x	x	x	x	x
L. inundatum L.	137	x	x		x	x	x	x	x	x
L. lucidulum Michx.	58	x	x	x	x	x	x	x	x	x
L. obscurum L. (incl. *L. dendroideum* Michx.)	M58	x	x	x	x	x	x	x	x	x
L. porophilum Lloyd & Underw.	8			x						
L. selago L.	578	x	x	x	x	x	x	x	x	x
L. sitchense Rupr. (incl. *L. sabiniifolium* Willd.)	6	x			x	x	x	x		
L. tristachyum Pursh	4678	x	x		x	x	x	x	x	x
OPHIOGLOSSACEAE										
Botrychium dissectum Spreng. (incl. *B. obliquum* Muhl.)	5	x			x					
B. hesperium (Maxon & Clausen) Wagner & Lellinger	46		x		x					
B. lanceolatum L. var. *angustisegmentum* Pease & Moore	7	x			x				x	x
B. lunaria (L.) Sw. (incl. *B. minganense* Vict.)	456	x	x	x	x	x	x	x		
B. matricariifolium A.Br. ex Koch	478		x		x	x		x	x	x
B. multifidum (S.G.Gmel.) Rupr.	148	x	x	x	x		x	x	x	x
B. simplex E.Hitchc.	479	x	x							
B. virginianum (L.) Sw.	156	x	x	x	x	x	x	x	x	x
Ophioglossum vulgatum L. var. *pseudopodum* (Blake) Farwell	3679	x								x
OSMUNDACEAE										
Osmunda cinnamomea L.	W356	x						x	x	x
O. claytoniana L.	W1567	x	x	x	x	x	x	x	x	x
O. regalis L. var. *spectabilis* (Willd.) Gray	578	x	x	x	x		x	x	x	x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
PTERIDOPHYTA										
POLYPODIACEAE (Incl. Adiantaceae, Aspleniaceae)										
Adiantum pedatum L.	5									x
Asplenium trichomanes L.	M8	x	x	x				x	x	x
A. viride Huds.	8							x		x
Athyrium filix-femina (L.) Roth ssp. angustum (Willd.) Clausen	W5678	x	x	x	x	x	x	x	x	x
A. thelypterioides (Michx.) Desv.	567									x
Cryptogramma stelleri (S.G.Gmel.) Prantl	8	x	x	x	x	x	x	x	x	x
Cystopteris bulbifera (L.) Bernh.	78	x	x	x		x	x	x	x	x
C. fragilis (L.) Bernh. (incl. C. dickieana Sim)	578	x	x	x	x	x	x	x	x	x
C. laurentiana (Weatherby) Blasdell	578	x	x		x	x		x		x
C. montana (Lam.) Bernh.	567		x		x	x				
Dryopteris carthusiana (Villars) H.P.Fuchs (D. spinulosa (O.F.Muell.) Watt)	56	x	x	x	x	x	x	x	x	x
D. cristata (L.) Gray	367	x	x	x	x	x	x	x	x	x
D. expansa Presl (D. austriaca (Jacq.) Woynar, D. dilatata Gray)	5678	x	x	x	x	x	x	x	x	x
D. filix-mas (L.) Schott	58							x		
D. fragrans (L.) Schott	D8	x	x	x	x	x	x	x	x	x
D. intermedia (Muhl.) Gray	5678	x	x	x	x	x	x	x	x	x
D. marginalis (L.) Gray	M58							x	x	x
Gymnocarpium dryopteris (L.) Newm.	5678	x	x	x	x	x	x	x	x	x
G. jessoense (Koidz.) Koidz. ssp. parvulum Sarvela	8	x	x	x	x	x		x		
G. robertianum (Hoffm.) Newm.	78	x	x	x				x		
G. X intermedium Sarvela	8	x	x	x	x	x		x		
Matteuccia struthiopteris (L.) Todaro	567	x	x	x	x	x	x	x	x	x
Onoclea sensibilis L.	W567	x	x	x	x	x	x	x	x	x
Pellaea atropurpurea (L.) Link	8				x					
P. glabella Mett. ex Kuhn	8	x	x							x
Phegopteris connectilis (Michx.) Watt (Thelypteris phegopteris (L.) Slosson)	5678	x	x	x	x	x	x	x	x	x
Polypodium virginianum L.	68	x	x	x	x	x	x	x	x	x
Polystichum braunii (Spenner) Fée ssp. purshii (Fern.) Calder & Taylor	578	x	x	x				x	x	x
P. lonchitis (L.) Roth	8	x								x
Pteridium aquilinum (L.) Kuhn	D1567	x	x	x	x	x	x	x	x	x
Thelypteris noveboracensis (L.) Nieuwl.	3567	x								x
T. palustris (Salisb.) Schott var. pubescens (Lawson) Fern.	34567	x	x	x						x
Woodsia alpina (Bolton) S.F.Gray	8	x	x	x	x			x	x	
W. cathcartiana Robins. (incl. W. oregana D.C.Eaton)	8	x	x	x						x
W. glabella R.Br.	8	x	x	x	x	x	x	x	x	x
W. ilvensis (L.) R.Br.	D8	x	x	x	x	x	x	x	x	x
W. scopulina D.C.Eaton	8	x	x		x				x	
SELAGINELLACEAE										
Selaginella eclipes Buck (S. apoda (L.) Fern.)	W78							x		
S. rupestris (L.) Spring	D8	x	x	x	x	x	x	x	x	x
S. selaginoides (L.) Link	W37	x	x	x	x	x	x	x	x	x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
PINOPHYTA										
CUPRESSACEAE										
Juniperus communis L. var. *depressa* Pursh	D478	x	x	x	x	x	x	x	x	x
J. horizontalis Moench	D78	x	x		x	x	x	x	x	x
Thuja occidentalis L.	378	x	x	x	x	x	x	x	x	x
PINACEAE										
Abies balsamea (L.) Mill.	35678	x	x	x	x	x	x	x	x	x
Larix laricina (Du Roi) Koch	W37	x	x	x	x	x	x	x	x	x
Picea glauca (Moench) Voss	5678	x	x	x	x	x	x	x	x	x
P. mariana (Mill.) BSP	W35678	x	x	x	x	x	x	x	x	x
Pinus banksiana Lamb.	D678	x	x	x	x	x	x	x	x	x
P. resinosa Ait.	D78	x	x	x	x		x	x	x	x
P. strobus L.	5678	x	x	x	x		x	x	x	x
Tsuga canadensis (L.) Carr.	568									x
TAXACEAE										
Taxus canadensis Marsh.	567	x	x	x	x	x	x	x	x	x
MAGNOLIOPHYTA										
MONOCOTYLEDONEAE										
ALISMATACEAE										
Alisma triviale Pursh	W27	x	x	x			x	x		
Sagittaria cuneata Sheldon	W27	x	x	x	x		x	x	x	x
S. graminea Michx. var. *cristata* (Engelm.) Bogin	W27		x							x
S. latifolia Willd.	W27	x	x	x	x	x	x	x	x	x
S. rigida Pursh	W27	x								
ARACEAE										
Acorus calamus L.	W47	x	x	x			x	x		x
Arisaema triphyllum (L.) Schott (*A. atrorubens* (Ait.) Blume)	57	x								x
Calla palustris L.	W2347	x	x	x				x	x	x
Symplocarpus foetidus (L.) Nutt.	W57	x						x		x
CYPERACEAE										
Carex adusta Boott	D1678	x		x				x		x
C. aenea Fern.	D16789	x	x	x	x	x	x	x	x	x
C. appalachica J.Webber & P.W.Ball	W17	x								
C. aquatilis Wahl.	W2347	x	x		x	x	x	x	x	x
C. arcta Boott	367	x	x	x	x			x		
C. arctata Boott	1567	x	x	x	x	x	x	x	x	x
C. argyrantha Tuckerm.	D16	x	x	x		x		x		x
C. atratiformis Britt.	678	x	x		x	x				
C. aurea Nutt.	W147	x	x	x	x	x	x	x	x	x
C. backii Boott	D68	x	x	x		x				
C. bebbii Olney	W147	x	x	x	x					x
C. brevior (Dewey) Mack.	D1789	x	x	x	x		x	x		

MONOCOTYLEDONEAE

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
CYPERACEAE (Cont'd)										
Carex brunnescens (Pers.) Poir.	35678	x	x	x	x		x	x	x	x
C. buxbaumii Wahl.	W1378	x	x	x	x	x	x	x	x	x
C. canescens L.	W138	x	x	x	x	x	x	x	x	x
C. capillaris L.	W1378	x	x	x	x	x	x	x	x	x
C. castanea Wahl.	W134568	x	x	x	x	x	x	x		x
C. chordorrhiza L.f.	3	x	x		x					
C. communis Bailey	15678	x			x	x	x	x	x	x
C. comosa Boott	W7		x							
C. concinna R.Br.	1568		x				x			
C. crawei Dewey	W7		x							
C. crawfordii Fern.	W1367	x	x	x	x	x	x	x	x	x
C. crinita Lam.	W1567	x				x	x	x	x	x
C. cristatella Britt.	W167	x		x			x	x		
C. cryptolepis Mack.	W1357	x	x	x	x		x	x	x	x
C. cumulata (Bailey) Mack.	W8						x			
C. debilis Michx.	M57	x		x			x	x	x	x
C. deflexa Hornem.	1567	x	x	x	x	x	x	x	x	x
C. deweyana Schwein.	1567	x	x	x	x	x	x	x	x	x
C. diandra Schrank	W37	x	x	x	x	x		x	x	
C. disperma Dewey	W13578	x	x	x	x	x	x	x	x	x
C. eburnea Boott	378	x	x	x	x	x	x	x	x	x
C. echinata Murray (incl. *C. muricata* L., *C. angustior* Mack.)	W37				x	x		x	x	x
C. exilis Dewey	W36	x								
C. festucacea Schkuhr	D19		x	x		x	x			
C. flava L.	W1357	x	x	x	x	x	x	x	x	x
C. garberi Fern.	478	x	x		x	x		x		
C. gracillima Schwein.	14578	x	x	x				x		
C. granularis Muhl.	W478	x	x	x						x
C. gynandra Schwein.	2							x		
C. gynocrates Wormsk.	W37	x	x		x	x	x			x
C. haydenii Dewey	5		x							
C. houghtonii Torr.	D147	x	x	x	x	x	x	x	x	x
C. hystericina Muhl.	W1358	x	x	x	x	x	x			x
C. interior Bailey	W1378	x	x	x	x	x	x	x		x
C. intumescens Rudge	W1357	x	x	x	x	x	x	x	x	x
C. lacustris Willd.	W27	x	x	x						
C. lanuginosa Michx.	W237	x	x	x	x	x	x	x	x	x
C. lasiocarpa Ehrh.	W237	x	x	x	x	x	x	x	x	x
C. laxiflora Lam. (incl. *C. blanda* Dewey)	1578	x	x	x	x	x		x	x	x
C. lenticularis Michx.	1578	x	x	x	x	x	x	x	x	x
+*C. leporina* L.	W134									x
C. leptalea Wahl.	W37	x	x	x	x	x	x	x	x	x
C. leptonervia Fern.	W13578	x	x	x				x	x	x
C. limosa L.	W37	x	x	x	x	x	x	x	x	x
C. livida (Wahl.) Willd.	W37	x	x		x	x				x
C. loliacea L.	23	x	x							
C. magellanica Lam. ssp. *irrigua* (Wahl.) Hult. (*C. paupercula* Michx.)	W1367	x	x	x	x	x	x	x	x	x
C. media R.Br. (incl. *C. norvegica* Retz.)	134578	x	x	x	x	x		x		
C. michauxiana Boeckl.	W37	x	x	x	x	x		x	x	x
C. normalis Mack.	6		x							x
C. oligosperma Michx.	W2347	x	x	x	x	x		x	x	x

MONOCOTYLEDONEAE

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
CYPERACEAE (Cont'd)										
Carex pallescens L.	W146	x						x		x
C. pauciflora Lightf.	W3	x	x	x	x	x		x	x	x
C. peckii Howe (C. nigromarginata Schwein.)	M578	x	x	x		x		x		
C. pedunculata Muhl.	M1568	x	x	x			x			
C. pensylvanica Lam.	D47									x
C. praticola Rydb.	7	x								
C. projecta Mack.	W167	x		x	x	x	x	x	x	x
C. pseudo-cyperus L.	W27	x	x		x					
C. retrorsa Schwein.	W37	x	x	x	x	x	x	x	x	x
C. richardsonii R.Br.	6	x	x							
C. rossii Boott	D8	x	x							
C. rostrata Stokes	W137	x	x	x	x	x	x	x	x	x
C. saxatilis L.	7									x
C. scabrata Schwein.	W7							x		x
C. scirpoidea Michx.	W78		x	x	x	x			x	
C. scoparia Schkuhr	W378	x	x	x			x			x
C. siccata Dewey (C. foenea Willd.)	D14	x		x						
C. sprengelii Dewey	7	x								
C. sterilis Willd. (incl. C. cephalantha (Bailey) Bickn.)	W37	x	x	x			x			x
C. stipata Muhl.	W1347	x	x	x	x	x	x	x	x	x
C. stricta Lam.	W237	x	x	x	x		x		x	x
C. supina Wahl. ssp. spaniocarpa (Steud.) Hult.	8	x								
C. sychnocephala Carey	W7					x		x		
C. tenera Dewey	W1357	x	x	x	x	x				
C. tenuiflora Wahl.	W3	x	x	x	x	x		x	x	x
C. tribuloides Wahl.	W137	x	x	x	x	x		x		
C. trisperma Dewey	W37	x	x	x	x	x	x	x	x	x
C. tuckermanii Boott	W37	x								x
C. umbellata Schkuhr (incl. C. abdita Bickn., C. tonsa (Fern.) Bickn.)	D178	x	x	x	x	x	x	x		
C. vaginata Tausch	W37	x	x	x	x	x	x	x		
C. vesicaria L.	W1237	x	x	x		x	x	x	x	x
C. viridula Michx.	12378	x	x	x	x	x	x	x	x	x
C. vulpinoidea Michx.	12378	x	x	x	x	x		x		x
C. wiegandii Mack.	3									x
Cladium mariscoides (Muhl.) Torr.	W37	x								x
Dulichium arundinaceum (L.) Britt.	W37	x	x	x	x	x	x	x	x	x
Eleocharis acicularis (L.) R. & S.	W237	x	x	x	x	x	x	x	x	x
E. compressa Sulliv.	W78	x	x	x	x			x	x	x
E. erythropoda Steud. (E. calva Torr.)	W7			x						
E. intermedia (Muhl.) Schultes	3	x	x							
E. obtusa (Willd.) Schultes	W17	x		x				x		x
E. ovata (Roth.) R. & S.	W17	x								x
E. palustris (L.) R. & S.	W27	x	x	x	x	x	x	x	x	x
E. quinqueflora (Hartm.) Schwartz (E. pauciflora (Lightf.) Link)	qs									
E. smallii Britt.	W137	x	x	x	x	x		x		
E. tenuis (Willd.) Schultes (incl. E. elliptica Kunth, E. nitida Fern.)	W2347	x				x			x	
	W237	x	x	x				x		x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
MONOCOTYLEDONEAE										
CYPERACEAE (Cont'd)										
Eriophorum angustifolium Honckeny	W37	x	x	x	x		x	x	x	x
E. brachyantherum Trautv. & May (E. opacum (Bjornstr.) Fern.)	W37		x			x			x	
E. chamissonis C.A.Meyer	W3	x								
E. gracile Koch	W37	x	x		x					
E. tenellum Nutt.	3	x	x		x	x		x		x
E. vaginatum L. (E. spissum Fern.)	W3	x	x	x	x	x	x	x	x	x
E. virginicum L.	W347	x					x	x	x	x
E. viridi-carinatum (Engelm.) Fern.	3	x	x	x	x	x		x	x	x
Rhynchospora alba (L.) Vahl.	W37	x	x	x	x	x	x	x	x	x
R. fusca (L.) Ait.f.	W37	x		x	x			x	x	x
Scirpus atrovirens Willd.	W127	x	x					x		x
S. cespitosus L.	W378	x	x	x	x	x	x	x	x	x
S. clintonii Gray	7					x				
S. cyperinus (L.) Kunth	W1247	x	x	x	x	x	x	x	x	x
S. fluviatilis (Torr.) Gray	W7	x								
S. heterochaetus Chase	2			x			x			
S. hudsonianus (Michx.) Fern.	W134	x	x	x	x	x	x	x	x	x
S. lacustris L. (S. acutus Muhl., S. validus Vahl)	W237	x	x	x	x		x	x	x	x
S. microcarpus Presl (incl. S. rubrotinctus Fern.)	W347	x	x	x	x	x	x	x		x
S. pungens Vahl (S. americanus Pers.)	27			x						
S. subterminalis Torr.	23		x	x			x			x
S. torreyi Olney	23		x	x			x			x
ERIOCAULACEAE										
Eriocaulon septangulare With.	W7	x	x	x			x	x	x	
GRAMINEAE										
X Agrohordeum macounii (Vasey) Lepage (Elymus macounii Vasey)	78	x			x					
+ Agropyron pectiniforme R. & S. (A. cristatum auct. amer., non (L.) Gaertn.)	19	x								
Agropyron psammophilum Gillett & Senn (A. dasystachyum (Hook.) Scribn. var. psammophilum (Gillett & Senn) E.G.Voss	17					x				
+ A. repens (L.) Beauv.	146789	x	x	x	x	x	x	x	x	x
A. smithii Rydb.	148	x	x	x	x	x		x		
A. trachycaulum (Link) Malte ex H.F.Lewis	1478	x	x	x	x	x	x	x	x	x
+ Agrostis gigantea Roth (A. alba auct. amer, non L., A. stolonifera var. major (Gaudin) Farwell)	147	x	x	x	x	x	x	x	x	x
A. perennans (Walt.) Tuckerm.	6789		x	x			x			x
A. scabra Willd. (A. hiemalis (Walt.) BSP)	1789	x	x	x	x	x	x	x	x	x
+ A. stolonifera L. (A. palustris Huds.)	147	x	x	x	x	x				x
Alopecurus aequalis Sobol.	W267	x	x	x	x	x	x	x		x
+ A. pratensis L.	14	x								
Ammophila breviligulata Fern.	7				x	x	x	x	x	x
Andropogon gerardii Vitman	7	x								
A. scoparius Michx.	7	x								
+ Avena fatua L.	19	x				x		x		x
+ A. sativa L.	19							x		

MONOCOTYLEDONEAE

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
GRAMINEAE (Cont'd)										
Beckmannia syzigachne (Steud.) Fern.	W17	x	x	x	x	x				
Brachyelytrum erectum (Schreb.) Fern.	567	x		x				x	x	x
Bromus ciliatus L. (incl. B. dudleyi Fern.)	15678	x	x	x	x	x	x	x	x	x
+ B. commutatus Schrad.	19					x		x		
+ B. erectus Huds.	149								x	
B. kalmii Gray	7			x						
+ B. inermis Leyss.	1479	x	x	x	x	x		x	x	x
B. pumpellianus Scribn.	17	x			x	x				
+ B. secalinus L.	19					x		x		
Calamagrostis canadensis (Michx.) Nutt.	14678	x	x	x	x	x	x	x	x	x
+ C. epigejos (L.) Roth	19									x
C. inexpansa Gray	78	x	x	x	x	x	x	x	x	
C. purpurascens R.Br.	8	x	x							
C. stricta (Timm) Koeler (C. neglecta Gaertn., Mey. & Scherb.)	34			x	x					
Cinna latifolia (Trev.) Griseb.	56	x	x	x	x	x	x	x	x	x
+ Dactylis glomerata L.	D17	x	x	x	x	x	x	x	x	x
Danthonia spicata (L.) Beauv.	D678	x	x	x	x	x	x	x	x	x
Deschampsia cespitosa (L.) Beauv.	W78	x	x	x	x	x	x	x	x	x
D. flexuosa (L.) Trin.	D78	x	x	x	x	x	x	x	x	x
+ Digitaria ischaemum (Schreb.) Muhl.	8	x								
+ Echinochloa crusgalli (L.) Beauv.	17	x								
E. microstachya (Wieg.) Rydb.	17	x								
E. wiegandii (Fassett) McNeill & Dore	1	x								x
Elymus canadensis L.	678	x	x		x	x				x
E. glaucus Buckley	W67			x				x		x
E. hystrix L. (Hystrix patula Moench)	M56	x								x
E. mollis Trin.	7	x	x	x	x	x	x	x	x	x
E. villosus Muhl.	6									x
E. virginicus L.	W4678	x	x	x						x
E. wiegandii Fern.	46	x	x							x
+ Festuca filiformis Pourret (F. tenuifolia Sibth., F. capillata Lam., F. ovina var. capillata (Lam.) Alef.)	6	x								
F. hallii (Vasey) Piper (F. scabrella Torr., F. altaica Trin. var. major (Vasey) Gl.)	1	x								
F. occidentalis Hook.	8					x	x		x	
+ F. pratensis Huds. (F. elatior L.)	147	x		x		x		x		
+ F. rubra L.	149	x	x	x	x	x	x	x	x	x
F. saximontana Rydb.	478	x	x	x	x	x	x	x	x	x
F. trachyphylla (Hack.) Krajina (F. longifolia Thuill., F. ovina L. var. duriuscula (L.) W.D.J.Koch)	D48	x	x	x						
Glyceria borealis (Nash) Batch.	W27	x	x	x	x	x	x	x	x	x
G. canadensis (Michx.) Trin.	W27	x	x	x	x	x	x	x	x	x
G. grandis S.Wats.	W127	x	x	x	x	x	x	x		x
G. X laxa (Scribn.) Scribn.	3									x
G. striata (Lam.) Hitchc.	W12367	x	x	x	x	x	x	x	x	x
Hierochloe odorata (L.) Beauv.	7	x	x	x	x	x	x	x	x	x
Hordeum jubatum L.	146789	x	x	x	x	x		x	x	x
+ H. vulgare L.	19	x								
Koeleria macrantha (Ledeb.) Schultes	14	x								

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
MONOCOTYLEDONEAE										
GRAMINEAE (Cont'd)										
Leersia oryzoides (L.) Sw.	W17	x								x
+ Lolium perenne L. (incl. L. multiflorum Lam.)	149	x		x				x		x
L. persicum Boiss. & Hohen. ex Boiss.	149	x		x	x					
Melica smithii (Porter) Vasey	5									x
Milium effusum L.	57	x		x		x	x	x	x	x
Muhlenbergia frondosa (Poir.) Fern.	W167		x							
M. glomerata (Willd.) Trin.	W348	x	x	x	x	x	x	x	x	x
M. mexicana (L.) Trin.	W67	x	x	x	x	x	x	x	x	x
M. racemosa (Michx.) BSP.	1	x	x		x		x			
M. uniflora (Muhl.) Fern.	W37	x		x	x	x		x		x
Oryzopsis asperifolia Michx.	D568	x	x	x	x	x	x	x	x	x
O. canadensis (Poir.) Torr.	D167				x	x	x	x		
O. pungens (Torr.) Hitchc.	D5678	x	x	x	x	x	x	x		x
Panicum boreale Nash	D46						x	x		x
P. capillare L.	149	x							x	
P. columbianum Scribn. var. siccanum (Hitchc. & Chase) Boivin (Dicanthelium sabulorum (Lam.) Gould & Clark	78	x		x						x
P. depauperatum Muhl.	D14	x	x	x						x
P. lanuginosum Ell. (incl. P. implicatum Scribn.)	D146				x	x	x	x		x
P. linearifolium Scribn.	D46	x								
+ P. miliaceum L.	1	x								
Panicum xanthophysum Gray	D8	x								x
Phalaris arundinacea L.	W7	x	x	x	x	x	x	x	x	x
+ Phleum pratense L.	1479	x	x	x	x	x	x	x	x	x
Phragmites australis (Cav.) Trin. ex Steud. (P. communis Trin.)	W27	x	x	x				x	x	x
Poa alpina L.	7					x				
P. alsodes Gray	58		x							x
+ P. annua L.	19	x		x	x	x	x	x	x	x
P. canbyi (Scribn.) Howell	8	x								
+ P. compressa L.	14789	x	x	x	x	x	x	x	x	x
P. glauca Vahl	8	x	x	x	x	x				x
P. glaucantha Gaudin	8	x	x			x	x	x	x	
P. interior Rydb.	7	x	x							
P. languida Hitchc.	567	x						x		x
P. palustris L.	W147	x	x	x	x	x	x	x	x	x
P. pratensis L.	146789	x	x	x	x	x	x	x	x	x
P. saltuensis Fern. & Wieg.	678	x		x		x		x		x
Puccinellia distans (Jacq.) Pall.	19	x								
P. nuttalliana (Schultes) Hitchc.	W19	x			x					
Schizachne purpurascens (Torr.) Swallen	568	x	x	x	x	x	x	x	x	x
+ Secale cereale L.	1	x								
+ Setaria glauca (L.) Beauv.	19	x								
+ S. viridis (L.) Beauv.	19	x								x
Sphenopholis intermedia (Rydb.) Rydb.	78		x	x	x	x		x		
Sporobolus neglectus Nash	1	x								
S. vaginiflorus (Torr.) Wood	1	x								
Stipa spartea Trin.	7									x
Torreyochloa pallida (Torr.) Church	W27	x	x	x	x	x		x		x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
MONOCOTYLEDONEAE										
GRAMINEAE (Cont'd)										
Trisetum melicoides (Michx.) Vasey ex Scribn.	78			x		x	x	x		x
T. triflorum (Bigel.) Vasey ssp. molle (Hult.) A. & D. Love (T. spicatum (L.) Richt. var. molle (Michx.) Beal	78	x	x	x	x	x	x	x	x	x
+ Triticum aestivum L.	19									
Zizania palustris L.	W27	x	x	x				x		
HYDROCHARITACEAE										
Elodea canadensis Michx.	W27	x	x	x	x	x			x	x
E. nuttallii (Planch.) St.John	W2		x							
Vallisneria americana Michx.	W2	x	x	x		x		x		x
IRIDACEAE										
+ Iris pseudacorus L.	W								x	
I. versicolor L.	W2347	x	x	x	x	x	x	x	x	x
Sisyrinchium montanum Greene (S. angustifolium auct., non Mill.)	W178	x	x	x	x	x	x	x	x	x
JUNCACEAE										
Juncus acuminatus Michx.	3									x
J. alpinus Vill.	W178	x	x	x	x	x	x	x	x	x
J. articulatus L.	W17	x	x	x	x					
J. balticus Willd.	W278	x	x	x	x	x	x	x	x	x
J. brachycephalus (Engelm.) Buch.	W127	x	x	x						x
J. brevicaudatus (Engelm.) Fern.	W1378	x	x	x	x	x	x	x	x	x
J. bufonius L.	MW17	x	x	x	x	x		x	x	x
J. canadensis J.Gay	W37	x								x
J. dudleyi Wieg.	W17x	x	x	x	x	x		x	x	x
J. effusus L.	W17	x	x	x	x			x	x	x
J. filiformis L.	17	x	x	x	x		x	x	x	
J. greenei Oakes & Tuckerm.	W78	x		x			x			x
J. nodosus L.	W137	x	x	x	x	x	x	x		x
J. pelocarpus E.Meyer	W7	x		x				x	x	x
J. subtilis E.Meyer	W7	x								
J. tenuis Willd.	1467	x	x	x	x	x		x	x	x
Luzula acuminata Raf.	5678	x		x				x		
L. multiflora (Retz.) Lejeune (L. campestris (L.) DC.)	1467	x								
L. parviflora (Ehrh.) Desv.	1567	x		x	x	x	x	x		
JUNCAGINACEAE										
Scheuchzeria palustris L.	3	x	x	x	x	x	x	x	x	x
Triglochin maritima L.	37	x	x	x			x	x		x
T. palustris L.	W37	x	x			x	x	x		
LEMNACEAE										
Lemna minor L.	W2	x	x							x
L. trisulca L.	W2		x							
Spirodela polyrhiza (L.) Schleid.	W2	x								

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
MONOCOTYLEDONEAE										
LILIACEAE										
Allium schoenoprasum L.	178	x	x		x	x	x	x	x	
A. stellatum Fraser	D8		x							
A. tricoccum Ait.	5								x	
+ Asparagus officinalis L.	9	x								
Clintonia borealis (Ait.) Raf.	56	x	x	x	x	x	x	x	x	x
Disporum trachycarpum (S.Wats.) B. & H.	5									
Erythronium americanum Ker	5							x	x	x
Lilium michiganense Farw. (L. canadense var. umbellatum (Farw.) Boivin)	5						x			
L. philadelphicum L.	134578	x		x	x	x	x	x		x
Maianthemum canadense Desf.	56	x	x	x	x	x	x	x	x	x
Medeola virginiana L.	5									x
Polygonatum biflorum (Walt.) Ell.	57	x								
P. pubescens (Willd.) Pursh	5								x	x
Smilacina racemosa (L.) Desf.	567	x		x	x			x	x	x
S. stellata (L.) Desf.	567	x	x	x	x	x		x		x
S. trifolia (L.) Desf.	3	x	x	x	x	x	x	x	x	x
Smilax lasioneura Hook. (S. herbacea L. var. lasioneura (Hook.) DC.)	567	x								
Streptopus amplexifolius (L.) DC.	W5	x	x	x	x	x	x	x	x	x
S. roseus Michx.	56	x	x	x	x	x	x	x	x	x
Tofieldia glutinosa (Michx.) Pers.	3478	x	x	x	x	x	x	x	x	x
T. pusilla (Michx.) Pers.	8		x		x	x	x			
Trillium cernuum L.	56	x	x	x	x	x	x	x	x	x
T. grandiflorum (Michx.) Salisb.	5									x
Uvularia grandiflora Sm.	5	x								
U. sessilifolia L.	5	x								
NAJADACEAE										
Najas flexilis (Willd.) Rostk. & Schmidt	2	x	x	x	x		x	x	x	x
N. gracillima (A.Br.) Magnus	2	x								
ORCHIDACEAE										
Amerorchis rotundifolia (Pursh) Hult. (Orchis rotundifolia Banks ex Pursh)	36	x	x	x		x				
Arethusa bulbosa L.	3	x			x			x		x
Calopogon tuberosus (L.) BSP. (C. pulchellus (Salisb.) R.BR.)	3	x								x
Calypso bulbosa (L.) Oakes	56	x	x	x		x	x	x		
Coeloglossum viride (L.) Hartm. (Habenaria viridis (L.) R.Br.)	56	x	x	x				x	x	x
Corallorhiza maculata Raf.	5	x	x	x	x	x	x	x	x	x
C. striata Lindl.	5	x	x	x				x		x
C. trifida Chat.	56	x	x	x	x	x	x	x	x	x
Cypripedium acaule Ait.	358	x	x	x	x	x	x	x	x	x
C. arietinum R.Br.	M56	x								
C. calceolus L. (incl. C. parviflorum Salisb. & C. pubescens Willd.)	35	x	x	x		x				x
C. passerinum Richards.	6					x	x			
C. reginae Walt.	356	x	x							
Goodyera oblongifolia Raf.	5	x	x	x			x	x	x	x
G. pubescens (Willd.) R.Br.	5		x							
G. repens (L.) R.Br.	5	x	x	x	x	x	x	x	x	x
G. tesselata Lodd.	5	x	x	x	x	x	x	x	x	x

MONOCOTYLEDONEAE

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
ORCHIDACEAE (Cont'd)										
Liparis loeselii (L.) Rich.	W15	x	x						x	x
Listera auriculata Wieg.	357	x	x	x	x	x	x	x	x	x
L. borealis Morong	6					x	x			
L. convallarioides (Sw.) Torr.	67			x	x			x		x
L. cordata (L.) R.Br.	W35	x	x	x	x	x	x	x	x	x
L. X veltmanii Case (L. convallarioides X L. auriculata)	57		x					x		x
Malaxis monophylla (L.) Sw. (M. brachypoda (Gray) Fern.)	37		x		x			x	x	x
M. paludosa (L.) Sw.	36		x							
M. unifolia Michx.	36	x	x	x		x			x	x
Platanthera clavellata (Michx.) Luer (Habenaria clavellata (Michx.) Spreng.)	M346	x			x	x		x	x	x
P. dilatata (Pursh) Beck (Habenaria dilatata (Pursh) Hook.)	3	x	x	x		x		x	x	x
P. hookeri (Torr.) Lindl. (Habenaria hookeri Torr.)	56	x	x					x		
P. hyperborea (L.) Lindl. (Habenaria hyperborea (L.) R.Br.)	W1346	x	x	x	x	x	x	x	x	x
P. lacera (Michx.) G.Don (Habenaria lacera (Michx.) Lodd.)	M34	x		x						x
P. obtusata (Pursh) Lindl. (Habenaria obtusata (Pursh) Richards.)	W3567	x	x	x	x	x	x	x	x	x
P. orbiculata (Pursh) Lindl. (Habenaria orbiculata (Pursh) Torr.)	5	x	x	x	x	x	x	x	x	x
P. psycodes (L.) Lindl. (Habenaria psycodes (L.) Spreng.)	7	x		x		x	x	x	x	x
Pogonia ophioglossoides (L.) Juss.	3	x	x					x	x	x
Spiranthes casei Catling & Cruise	7									x
S. lacera Raf.	148	x		x		x				x
S. romanzoffiana Cham.	W34	x	x	x	x	x	x	x	x	x
POACEAE (see GRAMINEAE)										
PONTEDERIACEAE										
Pontederia cordata L.	2	x		x						x
POTAMOGETONACEAE (see ZOSTERACEAE)										
SMILACACEAE (see LILIACEAE)										
SPARGANIACEAE										
Sparganium americanum Nutt.	W237	x		x			x		x	x
S. angustifolium Michx.	W27	x	x	x	x			x	x	
S. chlorocarpum Rydb.	W237	x	x	x	x		x	x	x	x
S. emersum Rehmann var. multipedunculatum (Morong) Reveal	W237	x		x						
S. eurycarpum Engelm.	W237	x	x	x						
S. fluctuans (Morong) Robins.	W27	x	x	x	x				x	x
S. minimum (Hartm.) Fries	W237	x	x	x	x	x	x	x	x	x
TYPHACEAE										
Typha angustifolia L.	W1347	x		x	x					
T. latifolia L.	W1347	x	x	x	x	x	x	x	x	x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
MONOCOTYLEDONEAE										
XYRIDACEAE										
Xyris montana Ries	3	x								x
ZANNICHELLIACEAE										
Zannichellia palustris L.	W27		x	x	x					
ZOSTERACEAE										
Potamogeton alpinus Balbis	2	x	x	x	x	x	x	x	x	x
P. amplifolius Tuckerm.	2	x	x	x				x	x	x
P. berchtoldii Fieber	2	x	x	x	x					
P. confervoides Reichenb.	2			x		x		x		
P. epihydrus Raf.	2	x	x	x	x	x		x	x	x
P. filiformis Pers.	2	x	x	x	x	x	x	x	x	
P. foliosus Raf.	2	x	x	x		x		x	x	
P. friesii Rupr.	2		x	x				x		
P. gramineus L.	27	x	x	x	x	x	x	x	x	x
P. illinoensis Morong	2								x	
P. natans L.	2	x	x	x	x			x	x	x
P. nodosus Poir.	2	x							x	
P. oakesianus Robbins	2	x	x					x	x	x
P. obtusifolius Mert. & Koch	2	x	x	x	x	x	x	x	x	
P. pectinatus L.	2	x	x	x		x	x		x	
P. perfoliatus L. (incl. P. richardsonii (Ar.Benn.) Rydb.)	27	x	x	x	x	x	x	x	x	x
P. praelongus Wulfen	2	x	x	x	x	x	x		x	x
P. pusillus L.	2	x	x	x	x	x	x	x		x
P. robbinsii Oakes	2	x	x	x		x		x	x	x
P. spirillus Tuckerm.	2	x	x	x	x			x	x	x
P. strictifolius Ar.Benn.	2	x	x	x	x					
P. vaginatus Turcz.	2			x						
P. zosteriformis Fern.	2	x	x	x		x	x			
DICOTYLEDONEAE										
ACERACEAE										
Acer negundo L.	W79	x								x
A. pensylvanicum L.	M6									x
A. rubrum L.	W5678	x	x					x	x	x
A. saccharum Marsh.	M567	x					x	x	x	x
A. spicatum Lam.	M5678	x	x	x	x	x	x	x	x	x
ADOXACEAE										
Adoxa moschatellina L.	W56	x								
AIZOACEAE										
+ Mollugo verticillata L.	1	x								
AMARANTHACEAE										
+ Amaranthus albus L.	19	x				x				
+ A. blitoides S.Wats.	19	x								
+ A. retroflexus L. (incl. A. powellii S.Wats.)	19	x								x
ANACARDIACEAE										
Rhus glabra L.	7	x	x							x
R. radicans L. var. rydbergii (Small) Rehder	678	x	x	x					x	x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
APIACEAE (see UMBELLIFERAE)										
APOCYNACEAE										
Apocynum androsaemifolium L.	D15678	x	x	x	x	x	x	x	x	x
A. cannabinum L.	16	x	x	x	x	x	x			x
A. sibiricum Jacq. (A. cannabinum var. hypericifolium (Ait.) Gray	567	x	x		x					
AQUIFOLIACEAE										
Ilex verticillata (L.) Gray	W357								x	x
Nemopanthus mucronata (L.) Trel.	W357								x	x
ARALIACEAE										
Aralia hispida Vent.	167	x	x	x	x	x	x	x	x	x
A. nudicaulis L.	M567	x	x	x	x	x	x	x	x	x
A. racemosa L.	156	x	x					x		x
Oplopanax horridus (Sm.) Miq.	56		x		x					
Panax trifolius L.	56								x	x
ARISTOLOCHIACEAE										
Asarum canadense L.	567	x		x						
ASCLEPIADACEAE										
Asclepias incarnata L.	7	x								
A. syriaca L.	7	x	x						x	x
ASTERACEAE (see COMPOSITAE)										
BALSAMINACEAE										
Impatiens capensis Meerb.	12367	x	x	x	x	x	x	x	x	x
+ I. glandulifera Royle	127	x	x							
BERBERIDACEAE										
+ Berberis thunbergii DC.	1									x
Caulophyllum thalictroides (l.) Michx.	5678	x								x
BETULACEAE										
Alnus incana (L.) Moench ssp. rugosa (Du Roi) Clausen (A. rugosa (DuRoi) Spreng.)	13467	x	x	x	x	x	x	x	x	x
A. viridis (Chaix) DC. ssp. crispa (Ait.) Turrill (A. crispa (Ait.) Pursh)	15678	x	x	x	x	x	x	x	x	x
Betula lutea Michx.f. (B. alleghensis Britt.)	56	x						x	x	x
B. occidentalis Hook. (B. fontinalis Sarg.)	67	x								
B. papyrifera Marsh.	145678	x	x	x	x	x	x	x	x	x
B. pumila. (incl. B. glandulifera (Regel) Butler)	234	x	x	x	x	x	x	x	x	x
Corylus cornuta Marsh.	14568	x	x	x	x	x	x	x	x	x
Ostrya virginiana (Mill.) K.Koch	6									x
BORAGINACEAE										
Cynoglossum boreale Fern.	56	x		x						x
+ C. officinale L.	179		x							x
+ Echium vulgare L.	179	x		x	x	x		x	x	x
Hackelia deflexa (Wahl.) Opiz (H. americana (Gray) Fern.)	18	x	x	x	x					x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
BORAGINACEAE (Cont'd)										
+ Lappula squarrosa (Retz.) Dumort. (L. echinata Gilib.)	149	x	x		x	x		x	x	x
Lithospermum canescens (Michx.) Lehm.	147	x								
Mertensia paniculata (Ait.) G.Don	1567	x	x	x	x	x	x	x	x	x
+ Myosotis arvensis (L.) Hill	6									x
M. laxa Lehm.	17	x								
+ M. scorpioides L.	1479	x			x			x		
+ M. sylvatica Hoffm.	179	x	x	x						
+ Plagiobothrys scouleri (H. & A.) Johnston	W9	x								
BRASSICACEAE (see CRUCIFERAE)										
CALLITRICHACEAE										
Callitriche hermaphroditica L.	2	x		x			x	x		
C. heterophylla Pursh	2	x						x	x	
C. verna L. (C. palustris L.)	23	x	x	x	x	x	x	x	x	
CAMPANULACEAE										
Campanula aparinoides Pursh (incl. C. uliginosa Rydb.)	3467	x	x	x	x	x	x	x	x	x
+ C. rapunculoides L.	19	x								
C. rotundifolia L.	478	x	x	x	x	x	x	x	x	x
CANNABINACEAE										
Humulus lupulus L. (H. americanus Nutt.)	67	x						x		x
CAPRIFOLIACEAE										
Diervilla lonicera Mill.	567	x	x	x	x	x	x	x	x	x
Linnaea borealis L.	567	x	x	x	x	x	x	x	x	x
Lonicera canadensis Bartr. ex Marsh.	5678	x	x	x	x	x	x	x	x	x
L. dioica L.	1467	x	x	x	x	x	x	x		x
L. hirsuta Eat.	15678	x	x	x	x			x	x	x
L. involucrata (Richards.) Banks	4567	x	x	x	x	x	x	x		
L. oblongifolia (Goldie) Hook.	345	x	x	x	x	x	x	x		
+ L. tatarica L.	19	x								
L. villosa (Michx.) R. & S.	367	x	x	x	x	x	x	x	x	x
+ L. xylosteum L.	78	x								
Sambucus canadensis L.	456									x
S. pubens Michx. (S. racemosa L. var. pubens (Michx.) Koehne)	45678	x	x	x	x	x	x	x	x	x
Symphoricarpos albus (L.) Blake	4678	x	x	x		x		x	x	x
+ S. occidentalis Hook.	18	x	x		x	x				x
Triosteum perfoliatum L.	8									x
Viburnum cassinoides L.	36									x
V. edule (Michx.) Raf.	35678	x	x	x	x	x	x	x	x	x
V. lentago L.	7	x								
V. rafinesquianum Schultes	679	x								
V. trilobum Marsh. (V. opulus L. var. americanum Ait.)	567	x	x	x			x	x	x	x
CARYOPHYLLACEAE										
Arenaria humifusa Wahl.	48		x							
+ A. serpyllifolia L.	19	x	x	x				x		x
Cerastium alpinum L. (incl. C. beeringianum C. & S.)	7	x			x					
C. arvense L.	147		x	x						x
+ C. fontanum Baumg. (C. vulgatum L.)	14567	x	x	x	x	x	x	x	x	x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
CARYOPHYLLACEAE (Cont'd)										
Cerastium nutans Raf.	78	x		x	x					
+ Dianthus armeria L.	19	x						x	x	x
+ D. barbatus L.	19			x					x	
+ D. deltoides L.	89	x								
+ Lychnis chalcedonica L.	19	x			x					
Minuartia stricta (Sw.) Hiern (Arenaria stricta Michx.)	78		x	x	x	x	x			x
Moehringia lateriflora (L.) Fenzl (Arenaria lateriflora L.)	4567	x		x	x			x		
M. macrophylla (Hook.) Fenzl (Arenaria macrophylla Hook.)	78	x	x		x			x		
Sagina nodosa (L.) Fenzl	78	x	x		x	x	x	x	x	x
+ S. procumbens L.	1	x								
+ Saponaria officinalis L.	179	x								
Silene antirrhina L.	167	x	x							x
+ S. cserei Baumg.	1	x	x	x						x
+ S. noctiflora L.	14	x	x	x	x			x		x
+ S. pratensis (Raf.) Godron & Gren. (S. alba (Mill.) Krause, Lychnis alba Mill.)	1347	x	x	x		x	x	x	x	
+ S. vulgaris (Moench) Garcke (S. cucubalus Wibel	14	x	x	x	x	x	x	x	x	x
+ Spergula arvensis L.	14	x	x					x		x
Stellaria calycantha (Ledeb.) Bong.	137	x	x	x	x	x	x	x	x	x
+ S. graminea L.	1679	x		x	x	x	x	x	x	x
S. longifolia Muhl. ex Willd.	1567	x	x	x	x	x		x		x
S. longipes Goldie	5678	x	x	x	x	x		x		
+ S. media (L.) Vill.	19	x						x		x
+ Vaccaria pyrimidata Medik. (Saponaria vaccaria L.)	179	x								
CELASTRACEAE										
Celastrus scandens L.	78	x							x	x
CERATOPHYLLACEAE										
Ceratophyllum demersum L.	3	x								
C. echinatum Gray	3	x								
CHENOPODIACEAE										
+ Atriplex hortensis L.	1	x								
+ A. patula L. var. hastata (L.) Gray	1	x								
+ Axyris amaranthoides L.	179	x		x	x	x		x		
+ Chenopodium album L. (incl. C. berlandieri Moq. ssp. zschackei (Murr.) Zobel)	179	x	x	x	x		x			x
C. capitatum (L.) Aschers.	189	x	x	x				x		x
C. gigantospermum Aellen (C. hybridum auctt.)	179	x			x					x
+ C. glaucum L.	19	x								x
+ C. leptophyllum (Moq.) Wats.	1	x	x							
+ C. murale L.	19	x								
+ C. polyspermum L.	19	x								x
C. rubrum L.	19	x								
+ C. strictum Roth var. glaucophyllum (Aellen) Wahl	1	x								
Corispermum hyssopifolium L.	19	x			x	x				
C. nitidum Kit.	19	x				x				

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
CHENOPODIACEAE (Cont'd)										
+ Kochia scoparia (L.) Schrad.	19	x								
+ Salsola kali L. var. tenuifolia Tausch (S. pestifer Nelson)	179	x	x		x	x				x
CISTACEAE										
Helianthemum canadense (L.) Michx.	6									x
Hudsonia tomentosa Nutt.	7	x				x	x	x	x	x
CLUSIACEAE (see HYPERICACEAE)										
COMPOSITAE										
Achillea millefolium L. (incl. A. lanulosa Nutt.)	14679	x	x	x	x	x	x	x	x	x
+ A. ptarmica L.	1	x								
Adenocaulon bicolor Hook.	6									x
Ambrosia artemisiifolia L.	179	x			x				x	
A. psilostachya DC.	179	x			x	x				
A. trifida L.	19	x			x	x		x		x
Anaphalis margaritacea (L.) Clarke	14679	x	x	x	x	x	x	x	x	x
Antennaria neglecta Greene (incl. A. campestris Rydb., A. canadensis Greene, A. neodioica Greene, A. petaloidea Fern., A. rupicola Fern.)	16789	x	x	x	x		x	x	x	x
A. parlinii Fern.	78	x	x							
A. parvifolia Nutt. (A. aprica Greene)	7		x							
A. plantaginifolia (L.) Hook. (incl. A. fallax Greene, A. munda Fern.)	678		x		x					x
A. rosea Greene (incl. A microphylla Rydb., A. subviscosa Fern.)	8	x	x		x					
+ Anthemis cotula L.	16	x								x
+ A. tinctoria L.	9	x								
+ Arctium lappa L.	1			x						
+ A. minus (Hill) Bernh.	169	x		x				x	x	x
Arnica angustifolia Vahl ssp. lonchophylla (Greene) Douglas & Ruyle-Douglas (A. lonchophylla Greene)	8	x	x							
A. cordifolia Hook. (incl. A. whitneyi Fern.)	56		x							
+ Artemisia absinthium L.	4	x								
+ A. biennis Willd.	189	x		x		x		x		x
A. campestris L. (incl. A. canadensis Michx. & A. caudata Michx.)	78	x	x	x	x	x	x	x	x	x
+ A. frigida Willd.	18	x	x			x				
A. ludoviciana Nutt.	147	x	x		x	x		x		x
+ A. vulgaris L.	179	x		x						x
+ Aster brachyactis Blake	147	x								
A. ciliolatus Lindl. (A. lindleyanus T. & G.)	145678	x	x	x	x	x	x	x	x	x
A. ericoides L. (incl. A. pansus (Blake) Cronq.)	169	x	x							
A. hesperius Gray	1467	x		x						x
A. junciformis Rydb. (A. borealis (T. & G.) Provancher)	34	x	x	x	x		x		x	x
A. laevis L.	178	x								x
A. lanceolatus Willd. (A. simplex Willd., A. paniculatus Lam.)	137	x		x	x	x	x	x	x	x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
COMPOSITAE (Cont'd)										
Aster lateriflorus (L.) Britt.	167	x	x	x	x		x	x	x	x
A. macrophyllus L.	56	x	x	x	x	x	x	x	x	x
A. modestus Lindl.	1467	x	x	x	x		x	x		
A. nemoralis Ait.	345							x	x	x
A. prealtus Poir.	46	x								
A. puniceus L. (inc. A. lucidulus (Gray) Wieg.)	13467	x	x	x	x	x	x	x	x	x
A. tradescantii L.	149									x
A. umbellatus Mill.	134679	x	x	x	x	x	x	x	x	x
Bidens beckii Torr. (Megalodonta beckii (Torr.) Greene)	23	x	x	x				x		x
B. cernua L.	137	x	x	x	x				x	x
B. frondosa L. (incl. B. vulgata Greene)	145	x						x		x
+ B. tripartita L. (incl. b. connata Muhl.)	37	x								
+ Centaurea jacea L.	19	x								
+ C. maculosa Lam.	1								x	
+ C. pratensis Thuill.	9	x								
+ Chrysanthemum leucanthemum L.	1679	x	x	x	x	x		x	x	x
+ Cichorium intybus L.	149	x	x		x				x	x
+ Cirsium arvense (L.) Scop.	1469	x	x	x	x	x	x	x	x	x
C. drummondii T. & G.	149	x								
C. flodmanii (Rydb.) Arthur	17	x				x				
C. muticum Michx.	13469	x	x	x	x		x	x	x	x
C. pitcheri (Eat.) T. & G.	7						x			
+ C. vulgare (Savi) Tenore	19	x	x		x					x
Coreopsis lanceolata L.	18								x	x
+ Crepis tectorum L.	149	x	x							
Erechtites hieracifolia (L.) Raf.	67					x				
Erigeron acris L. var. asteroides (Andrz.) DC. (E. angulosus Gaudin var. kamtschaticus (DC.) Hara)	178	x	x	x	x	x		x		x
E. annuus (L.) Pers.	169	x							x	x
E. canadensis L. (Conyza canadensis (L.) Cronq.)	14679	x	x	x	x	x		x	x	x
E. hyssopifolius Michx.	478	x		x	x	x	x	x	x	x
E. lonchophyllus Hook.	1	x								
E. philadelphicus L.	14679	x	x	x	x	x	x	x	x	x
E. strigosus Muhl. (E. ramosus (Walt.) BSP.)	14679	x	x	x		x	x	x		x
Eupatorium maculatum L. (E. purpureum L. var. maculatum (L.) Darl.)	347	x		x		x	x	x	x	x
E. perfoliatum L.	137	x	x	x				x	x	x
+ Gaillardia aristata Pursh (G. pulchella Foug.)	14				x	x				
+ Galinsoga quadriradiata Ruiz & Pavon (G. ciliata (Raf.) Blake)	19	x								
Gnaphalium uliginosum L.	1347	x			x		x	x		x
G. viscosum HBK. (G. macounii Greene)	147	x	x	x	x		x	x	x	x
+ Grindelia squarrosa (Pursh) Dunal	14	x	x							x
+ Helenium flexuosum Raf. (H. nudiflorum Nutt.)	7								x	
+ Helianthus annuus L.	134	x		x	x					
H. giganteus L. (incl. var. subtuberosus (Bourg.) Britt.)	14	x		x	x	x		x	x	
H. laetiflorus Pers. (H. rhomboideus Rydb.)	14	x	x		x			x		
+ H. maximiliani Schrad.	147	x	x					x		
+ H. tuberosus L.	1	x								

	Habitat Code	Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
COMPOSITAE (Cont'd)										
Heliopsis helianthoides (L.) Sweet	14	x	x	x						
Heterotheca villosa (Pursh) Shinners (Chrysopsis villosa (Pursh) Nutt.)	1	x	x							
+ Hieracium aurantiacum L.	1479	x	x	x				x	x	x
+ H. caespitosum Dum. (H. pratense Tausch)	1479	x						x	x	x
H. canadense Michx. (incl. H. kalmii auct., non L.)	1478	x	x	x	x		x	x	x	x
+ H. piloselle L.	19	x								
+ H. piloselloides Vill. (H. florentinum All., H. floribundum Wimm. & Grab.)	1479	x	x	x				x	x	x
H. scabriusculum Schwein. (H. umbellatum L.)	14679	x	x	x			x	x	x	
H. scabrum Michx.	145678	x	x	x	x	x	x	x	x	x
H. venosum L. var. nudicaule (Michx.) Farw.	6									x
+ H. vulgatum Fries	15	x						x		x
+ Hypochaeris radicata L.	1									x
+ Iva xanthifolia Nutt.	19	x								
Lactuca biennis (Moench) Fern.	123	x	x	x	x		x	x	x	x
L. canadensis L.	1479	x		x	x					x
L. pulchella (Pursh) DC. (L. tatarica (L.) Meyer ssp. pulchella (Pursh) Stebbins)	1	x				x				
+ L. saligna L.	68									x
+ Matricaria matricarioides (Less.) Porter	1679	x	x	x	x		x	x		x
+ M. perforata Merat (M. maritima ssp. inodora (L.) Clapham)	1	x								
Petasites frigidus (L.) Fries (incl. var. nivalis (Greene) Cronq. & var. palmatus (Ait.) Cronq.)	13479	x	x	x	x	x	x	x	x	x
P. sagittatus (Banks) Gray	13	x	x							
+ Picris hieracioides L.	14								x	
Prenanthes alba L.	1468	x	x	x		x	x			x
P. racemosa Michx.	37	x				x	x	x	x	x
Rudbeckia hirta L. (R. serotina Ait.)	146	x	x	x	x	x		x	x	x
R. laciniata L.	19	x								x
Senecio aureus L.	347	x			x	x	x	x	x	x
S. congestus (R.Br.) DC.	7	x		x						
S. eremophilus Richards.	8	x								
S. indecorus Greene	134	x	x	x	x	x	x	x		
S. integerrimus Nutt.	34							x		
+ S. jacobea L.	1	x								
S. pauciflorus Pursh	48		x	x	x			x	x	x
S. pauperculus Michx. (incl. S. plattensis Nutt.)	478	x	x	x	x	x	x	x	x	x
+ S. viscosus L.	1	x								
+ S. vulgaris L.	19	x								x
Solidago caesia L.	56							x		
S. canadensis L. (incl. S. altissima L. & S. gilvocanescens (Rydb.) Smyth)	1478	x	x	x	x	x	x	x	x	x
S. gigantea Ait.	1347	x		x			x	x		
S. glutinosa Nutt. (incl. ssp. randii (Porter) Cronq. var. ontarioensis Ringius	78	x	x	x	x		x	x	x	x
S. graminifolia (L.) Salisb.	1347	x	x	x	x	x	x	x	x	x
S. hispida Muhl.	1478	x	x	x	x	x	x	x	x	x
S. juncea Ait.	178	x	x	x		x		x	x	x
S. macrophylla Pursh	1345						x	x	x	x
S. missouriensis Nutt.	14	x	x						x	

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
COMPOSITAE (Cont')										
Solidago nemoralis Ait.	145678	x	x	x	x					x
S. ptarmicoides (Nees) Boivin (Aster ptarmicoides (Nees) T. & G.)	14678	x	x	x	x	x	x	x	x	x
S. rigida L.		x								
S. rugosa Ait.	1356								x	x
S. uliginosa Nutt. (incl. S. purshii Porter)	34	x	x	x	x	x	x	x	x	x
+ Sonchus asper (L.) Hill	13679	x	x		x	x			x	x
+ S. uliginosus Bieb. (incl. S. arvensis L.)	147	x	x	x	x		x	x		x
Tanacetum huronense Nutt.	7									x
+ T. vulgare L.	79	x	x							x
Taraxacum ceratophorum (Ledeb.) DC. (incl. T. dumetorum Greene)	19		x		x					
+ T. laevigatum (Willd.) DC. (T. erythrospermum Andrz.)	8		x							
+ T. officinale Weber	15789	x	x	x	x		x	x		x
+ Tragopogon dubius Scop. (T. major Jacq.)	14	x						x		
Xanthium strumarium L.										
CONVOLVULACEAE										
Convolvulus sepium L.	17	x								x
C. spithameus L.	178	x	x	x		x				x
Cuscuta cephalanthii Engelm.	3	x								
C. gronovii Willd.	7	x								
CORNACEAE										
Cornus alternifolia L.f.	5678	x	x			x		x	x	x
C. canadensis L.	567	x	x	x	x	x	x	x	x	x
C. rugosa Lam.	678	x	x	x	x	x			x	x
C. stolonifera Michx.	135678	x	x	x	x	x	x	x	x	x
CRASSULACEAE										
+ Sedum acre L.	178	x								
+ S. aizoon L.	18	x								
+ S. purpureum (L.) Schultes (S. telephium var. purpureum L.)	14	x						x		
CRUCIFERAE										
Arabis divaricarpa Nels.	678	x	x	x	x	x	x	x	x	x
A. drummondii Gray	1					x				
A. glabra (L.) Bernh.	1578	x	x	x	x		x	x	x	x
A. hirsuta (L.) Scop. var. pycnocarpa (Hopkins) Rollins	678	x	x	x	x	x		x	x	x
A. holboellii Hornem. (A. retrofracta Graham)	8	x	x	x		x			x	
A. lyrata L.	678		x		x	x	x	x	x	
+ Armoracia rusticana Gaertn., Mey. & Scherb. (A. lapathifolia Gilib.)	9	x								
Barbarea orthoceras Ledeb.	1357	x	x		x	x	x	x	x	
+ B. vulgaris R.Br.	1467	x	x	x		x	x	x	x	x
+ Berteroa incana (L.) DC.	1	x		x	x			x		
+ Brassica juncea (L.) Czern.	1	x		x	x			x		
+ B. rapa L. (B. campestris pro parte)	149	x							x	
+ Camelina microcarpa Andrz.	19	x								
+ C. sativa (L.) Crantz	179	x			x					

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
CRUCIFERAE (Cont'd)										
+ Capsella bursa-pastoris (L.) Medik.	179	x	x	x	x	x		x	x	x
Cardamine parviflora L.	1379	x	x	x	x			x	x	x
C. pensylvanica Muhl.	1379	x	x	x	x	x	x		x	x
C. pratensis L.	W35	x		x						
+ Conringia orientalis (L.) Dumort.	19	x		x	x					
Dentaria diphylla Michx.	156							x	x	x
Descurainia richardsonii (Sweet) O.E.Schulz	18	x	x	x				x	x	x
+ D. sophia (L.) Webb	1	x	x							
Draba aurea Vahl (incl. D. minganensis (Vict.) Fern.)	8		x							
D. cana Rydb. (D. lanceolata auct. amer., non Royle)	8	x	x	x						
D. glabella Pursh (incl. D. arabisans Michx., D. hirta L.)	8	x	x	x	x	x	x	x	x	x
D. nemorosa L.	148		x	x	x			x		
+ Erucastrum gallicum (Willd.) O.E.Schulz	19	x								x
+ Erysimum cheiranthoides L.	1	x	x	x	x		x		x	x
+ E. hieracifolium L.	1	x								
E. inconspicuum (Wats.) MacM.	148	x	x	x	x	x			x	
+ Hesperis matronalis L.	9	x								x
+ Lepidium campestre (L.) R.Br.	14	x		x				x		x
+ L. densiflorum Schrad.	14789	x	x	x	x	x		x	x	x
+ Neslia paniculata (L.) Desv.	19	x	x	x		x		x		x
Rorippa palustris (L.) Besser	134569	x	x	x	x	x	x	x	x	x
+ Sinapis arvensis L. (Brassica kaber (DC.) Wheeler)	16	x	x	x	x			x		x
+ Sisymnbrium altissimum L.	149	x		x	x	x		x		
+ S. loeselii L.	19	x								
Subularia aquatica L.	27	x			x					x
+ Thlaspi arvensis L.	1479	x	x	x	x	x	x	x	x	x
CUCURBITACEAE										
Echinocystis lobata (Michx.) T. & G.	67	x								
DIPSACEAE										
+ Knautia arvensis (L.) Coult.	14	x								
DROSERACEAE										
Drosera anglica Huds.	3	x	x		x					x
D. intermedia Hayne	3	x	x	x	x	x	x	x	x	x
D. linearis Goldie	3	x			x	x		x		
D. rotundifolia L.	347	x	x	x	x	x	x	x	x	x
ELAEAGNACEAE										
Elaeagnus commutata Bernh.	78	x	x	x		x	x			
Shepherdia canadensis (L.) Nutt.	167	x	x	x	x	x	x			x
EMPETRACEAE										
Empetrum nigrum L.	78	x	x	x	x	x	x	x	x	
ERICACEAE										
Andromeda glaucophylla Link	378	x	x	x	x	x	x	x	x	x
Arctostaphylos uva-ursi (L.) Spreng.	678	x	x	x	x	x	x	x	x	x
Chamaedaphne calyculata (L.) Moench	37	x	x	x	x	x	x	x	x	x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
ERICACEAE (Cont'd)										
Epigaea repens L.	5678	x	x	x	x	x	x	x	x	x
Gaultheria hispidula (L.) Muhl. (Chiogenes hispidula (L.) T. & G.)	356	x	x	x	x	x	x	x	x	x
G. procumbens L.	378	x		x	x		x	x	x	x
Gaylussacia baccata (Wang.) K.Koch	456									x
Kalmia angustifolia L.	3								x	
K. polifolia Wang.	13	x	x	x	x	x	x	x	x	x
Ledum groenlandicum Oeder	3567	x	x	x	x	x	x	x	x	x
Oxycoccus macrocarpus (Ait.) Pers. (Vaccinium macrocarpon Ait.)	37	x					x	x	x	x
O. quadripetalus Gilib. (Vaccinium oxycoccus L.)	356	x	x	x	x	x		x	x	x
Vaccinium angustifolium Ait. (incl. V. brittonii Porter, V. lamarckii Camp)	4567	x	x	x	x	x	x	x	x	x
V. cespitosum Michx.	678	x	x	x	x	x		x	x	
V. membranaceum Dougl. ex Torr.	5						x			
V. myrtilloides Michx.	345678	x	x	x	x	x	x	x	x	x
V. ovalifolium Sm.	78							x	x	x
V. uliginosum L.	78	x	x	x	x	x	x	x		
V. vitis-idaea L.	378	x	x	x	x	x	x			
EUPHORBIACEAE										
+ Euphorbia cyparissias L.	19	x								
+ E. esula L.	17	x		x						
E. glyptosperma Engelm.	19	x	x		x					
+ E. serpyllifolia Pers.	1				x					
FABIACEAE (see LEGUMINOSAE)										
FAGACEAE										
Quercus macrocarpa Michx.	67	x								
Q. rubra L. (Q. borealis Michx.f.)	67							x	x	x
FUMARIACEAE										
Adlumia fungosa (Ait.) Greene	168	x	x	x					x	x
Corydalis aurea Willd.	1678	x	x	x	x			x	x	x
C. sempervirens (L.) Pers.	156789	x	x	x	x	x	x	x	x	x
Dicentra cucullaria (L.) Bernh.	56							x	x	x
GENTIANACEAE										
Gentiana andrewsii Griseb.	7	x								
G. linearis Froel. (incl. G. rubricaulis Schwein.)	178	x	x	x	x	x	x	x	x	x
Gentianella amarella (L.) Borner	147	x			x	x			x	
G. detonsa (Rottb.) G.Don	18	x								
Halenia deflexa (Sm.) Griseb.	56789	x	x	x	x	x	x	x	x	x
Menyanthes trifoliata L.	237	x	x	x	x	x	x	x	x	x
GERANIACEAE										
+ Erodium cicutarium (L.) L'Hér.	1	x								
Geranium bicknellii Britt.	146789	x	x	x	x	x	x	x	x	x
G. carolinianum L.	8							x		
G. robertianum L.	68									x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
GROSSULARIACEAE (see SAXIFRAGACEAE)										
HALORAGACEAE										
Myriophyllum alterniflorum DC.	2	x	x	x	x		x	x	x	x
M. farwellii Morong	2	x		x		x			x	
M. sibiricum Kom. (M.exalbescens Fern.)	2	x	x	x	x		x	x	x	
M. tenellum Bigel.	27								x	
M. verticillatum L.	2	x	x	x				x		
HIPPURIDACEAE										
Hippuris vulgaris L.	237	x	x	x	x	x	x	x	x	x
HYDROPHYLLACEAE										
Phacelia franklinii (R.Br.) Gray	1679	x	x	x	x					
HYPERICACEAE										
Hypericum boreale (Britt.) Bickn.	467	x	x	x	x	x	x	x	x	x
H. canadense L.	137	x			x				x	x
H. ellipticum Hook.	1347	x		x	x	x	x	x	x	x
H. majus (Gray) Britt.	47	x	x	x	x	x	x	x	x	x
H. mutilum L.	7	x								
+ H. perforatum L.	14679	x		x				x		x
Triadenum fraseri (Spach) Gl. (Hypericum virginicum L. var. fraseri (Spach) Fern.)	137	x	x	x	x	x	x	x	x	x
LABIATAE										
Agastache foeniculum (Pursh) Ktze.	1467	x		x		x				x
Dracocephalum formosius (Lunell) Rydb. (Physostegia formosior Lunell)	7	x								
D. virginianum L. (Physostegia virginiana (L.) Benth.)	7	x								
+ Galeopsis tetrahit L.	1479	x	x	x	x	x	x	x	x	x
+ Glechoma hederacea L.	147	x	x					x	x	x
+ Leonurus cardiaca L.	19	x								
Lycopus americanus Muhl.	1479	x	x	x	x	x	x	x	x	x
L. asper Greene	17	x								
L. uniflorus Michx.	1347	x	x	x	x	x	x	x	x	x
Mentha arvensis L.	13467	x	x	x	x	x	x	x	x	x
Moldavica parviflora (Nutt.) Britt. (Dracocephalum parviflorum Nutt.)	179	x	x	x	x	x				x
+ Monarda didyma L.	4									x
M. fistulosa L.	147	x							x	x
+ Nepeta cataria L.	179	x	x							
Prunella vulgaris L.	134679	x	x	x	x	x	x	x	x	x
Satureja vulgaris (L.) Fritsch	146789	x	x					x	x	x
Scutellaria epilobiifolia A.Hamilton (S. galericulata L.)	13467	x	x	x	x	x	x	x	x	x
S. lateriflora L.	1678	x	x	x	x	x	x	x	x	x
Stachys palustris L.	1456789	x	x	x	x	x		x		
LAMIACEAE (see LABIATAE)										

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
LEGUMINOSAE										
Amphicarpa bracteata (L.) Fern.	7	x								
Astragalus adsurgens Pall. var. robustior Hook. (A. striatus Nutt.)	1	x								
A. alpinus L.	8		x					x		
A. canadensis L.	17	x	x	x		x				
+ Coronilla varia L.	19	x	x							
Desmodium glutinosum (Muhl. ex Willd.) Wood	6			x						
Hedysarum alpinum L.	78	x	x	x	x	x	x			
Lathyrus japonicus Willd.	7	x	x	x	x	x	x	x	x	x
L. ochroleucus Hook.	16	x	x	x	x	x	x	x		x
L. palustris L.	17		x	x	x	x	x	x	x	
L. venosus Muhl.	1456	x				x				
+ Lotus corniculatus L.	19	x						x		x
+ Lupinus polyphyllus Lindl.	19	x		x						
+ Medicago falcata L.	19	x								
+ M. lupulina L.	147	x	x	x	x	x		x	x	x
+ M. sativa L.	149	x	x			x	x		x	
+ Melilotus alba Desr.	19	x	x	x				x		
+ M. officinalis (L.) Lam.	19	x	x	x	x	x		x		
Oxytropis campestris (L.) DC. var. johannensis Fern.	8	x								
O. splendens Dougl.	8		x			x				
O. viscida Nutt. ex Torr. & Gray (O. ixodes Butters & Abbe; O. leucantha (Pallas) Pers. var. gaspensis (Fern. & Kels.) Boivin	78	x								
+ Trifolium arvense L.	1	x								
+ T. aureum Poll. (T. agrarium L.)	14	x	x	x	x	x	x	x	x	
+ T. campestre Schreb. (T. procumbens L.)	19	x								
+ T. hybridum L.	149	x	x	x	x	x	x	x	x	x
+ T. pratense L.	149	x	x	x	x	x	x	x	x	x
+ T. repens L.	1479	x	x	x	x	x	x	x	x	x
Vicia americana Muhl.	15679	x	x	x	x	x	x	x		x
+ V. cracca L.	1479	x	x	x	x	x	x	x	x	x
+ V. tetrasperma (L.) Moench	1479	x								x
LENTIBULRIACEAE										
Pinguicula vulgaris L.	378	x	x	x	x	x	x	x	x	x
Utricularia cornuta Michx.	37	x	x	x	x	x	x	x	x	x
U. intermedia Hayne	237	x	x	x	x	x	x	x	x	x
U. minor L.	237		x	x		x	x	x	x	
U. ochroleuca Hartm.	3	x								
U. purpurea Walt.	2							x		
U. resupinata B.D.Greene	37	x								x
U. vulgaris L.	237	x	x	x	x	x	x	x	x	x
LIMNANTHACEAE										
Floerkea proserpinacoides Willd.	2									x
LINACEAE										
+ Linum perenne L.	19	x								
+ L. usitatissimum L.	1	x								

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
LOBELIACEAE										
Lobelia dortmanna L.	127	x						x	x	x
L. kalmii L.	1234678	x	x	x	x	x	x	x	x	x
LORANTHACEAE										
Arceuthobium pusillum Peck	56									x
LYTHRACEAE										
+ Lythrum salicaria L.	17	x								
MALVACEAE										
+ Malva rotundifolia L. (M. neglecta auct. amer., non Wallr.; M. pusilla Sm.)	19	x								
MYRICACEAE										
Comptonia peregrina (L.) Coult.	156	x						x		x
Myrica gale L.	1567	x	x	x	x	x	x	x	x	x
NYCTAGINACEAE										
+ Mirabilis hirsuta (Pursh) MacM.	17	x								
NYMPHAEACEAE										
Brasenia schreberi Gmel.	2	x			x					x
Nuphar microphyllum (Pers.) Fern.	2	x	x	x				x		
N. X rubrodiscum Morong.	2		x					x		
N. variegatum Engelm.	27	x	x	x	x	x	x	x	x	
Nymphaea odorata Ait.	2	x		x	x			x	x	x
N. tetragona Georgi	2	x		x			x			
OLEACEAE										
Fraxinus americana L.	8									x
F. nigra Marsh.	14567	x	x	x	x		x	x	x	x
F. pennsylvanica Marsh.	19	x					x			x
ONAGRACEAE										
Circaea alpina L.	567	x	x	x	x	x	x	x	x	x
C. lutetiana L. ssp. canadensis (L.) Asch. & Magnus (C. quadrisulcata (Maxim.) Franch. & Sav. var. canadensis (L.) Hara)	56	x								x
Epilobium angustifolium L.	456789	x	x	x	x	x	x	x	x	x
E. ciliatum Raf. (inc. E.adenocaulon Haussk., E. glandulosum Lehm.)	34567	x	x	x	x	x	x	x	x	x
E. leptophyllum Raf.	35	x	x	x		x		x		x
E. palus[illegible]		..			x	x		x		x
E. parviflorum Schreber	3	x								
Oenothera biennis L.	145678	x	x	x	x	x	x	x	x	x
O. nuttallii Sweet	1					x				
O. parviflora L. (incl. O. muricata L.)	156789	x	x	x	x	x		x		x
O. perennis L. (O. chrysantha Michx., O. pumila L.)	467	x	x	x	x		x	x	x	x
O. pilosella Raf.	1									x
OROBANCHACEAE										
Conopholis americana (L.) Wallr.	56									x

DICOTYLEDONEAE

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
OXALIDACEAE										
Oxalis fontana Bunge (O. europaea Jord.)	1	x							x	x
O. montana Raf. (O. acetosella L.)	5678				x	x		x	x	x
PAPAVERACEAE										
Sanguinaria canadensis L.	56	x						x		x
PLANTAGINACEAE										
Littorella americana Fern.	2	x		x	x					
+ Plantago lanceolata L.	1					x		x	x	x
+ P. major L.	1	x	x	x	x	x	x	x	x	x
+ P. media L.	14	x								
POLEMONIACEAE										
+ Collomia linearis Nutt.	19	x	x	x	x	x	x	x		x
+ Phlox subulata L.	19							x		
POLYGALACEAE										
Polygala paucifolia Willd.	567	x	x	x	x	x	x	x	x	x
P. senega L.	456	x								
POLYGONACEAE										
Polygonella articulata (L.) Meisn.	7									x
Polygonum amphibium L. (incl. P. natans (Michx.) Eat., P. coccineum Muhl.)	1234567	x	x	x	x	x	x	x	x	x
+ P. arenastrum Boreau	1	x								
+ P. aviculare L.	1345679	x	x	x	x	x		x		x
P. cilinode Michx.	15678	x	x	x	x	x	x	x	x	x
P. coccineum Muhl.	4567	x	x			x	x			
+ P. convolvulus L.	1347	x	x	x	x	x		x	x	x
P. douglasii Greene	178		x		x					x
P. erectum L. (incl. P. achoreum Blake)	167	x	x	x	x			x		
P. hydropiper L.	367	x		x		x		x	x	x
P. lapathifolium L.	14679	x	x	x	x			x	x	x
P. pensylvanicum L.	1	x								
+ P. persicaria L.	17	x	x		x	x		x	x	x
P. punctatum Ell.	179		x							x
P. ramosissimum Michx.	1	x								
P. sagittatum L.	1345	x	x						x	x
+ P. scabrum Moench	179	x	x		x			x	x	x
P. viviparum L.	178	x	x	x	x	x	x	x	x	
+ Rumex acetosa L.	1			x						
+ R. acetosella L.	1679	x	x	x	x	x	x	x	x	x
+ R. crispus L.	13567	x	x	x	x	x		x		x
+ R. maritimus L.	137	x	x		x					
+ R. obtusifolius L.	147		x					x		x
R. orbiculatus Gray	13479	x	x	x	x					
+ R. pseudonatronatus Borbas	1	x								
+ R. stenophyllus Ledeb.	1	x								
R. triangulivalvis (Danser) Rech.f. (R. mexicanus Meisn.)	1379	x	x	x	x	x		x		x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
PORTULACACEAE										
Claytonia caroliniana Michx.	567	x				x		x		x
C. virginica L.	6	x								
+ Portulaca oleracea L.	1								x	
PRIMULACEAE										
Lysimachia terrestris (L.) BSP.	1347	x	x	x	x	x	x	x	x	x
L. thyrsiflora L.	12347	x	x	x	x	x	x	x		
Primula mistassinica Michx.	34567	x	x	x	x	x	x	x	x	x
Steironema ciliatum (L.) Raf. (Lysimachia ciliata L.)	147	x			x	x				
Trientalis borealis Raf.	13456789	x	x	x	x	x	x	x	x	x
PYROLACEAE										
Chimaphila umbellata (L.) Barton	3567	x	x	x	x		x	x	x	x
Hypopitys monotropa Crantz. (Monotropa hypopithys L.)	35678	x	x	x		x	x			x
Moneses uniflora (L.) Gray	3567	x	x	x	x	x	x	x	x	x
Monotropa uniflora L.	567	x	x	x	x	x	x	x	x	x
Orthilia secunda (L.) House (Pyrola secunda L.)	345678	x	x	x	x	x	x	x	x	x
Pterospora andromedea Nutt.	56									x
Pyrola asarifolia Michx.	5678	x	x	x	x	x	x	x	x	x
P. chlorantha Swartz (P. virens Schweigg.)	45678	x	x	x	x	x	x	x	x	x
P. elliptica Nutt.	45678	x	x	x	x		x	x	x	x
P. grandiflora Radius	348		x							
P. minor L.	3567	x	x	x	x	x	x	x	x	
P. rotundifolia L.	56							x		x
RANUNCULACEAE										
+ Aconitum variegatum L.	9	x								
Actaea pachypoda Ell.	56								x	x
A. rubra (Ait.) Willd.	3567	x	x	x	x	x	x	x	x	x
Anemone canadensis L.	4567	x	x	x	x	x	x	x	x	x
A. multifida Poir.	678		x		x	x	x			
A. parviflora Michx.	7				x	x				
A. quinquefolia L.	5678	x		x	x	x	x	x	x	x
A. riparia Fern.	45678	x	x	x		x		x		
A. virginiana L.	7					x				
Aquilegia canadensis L.	45678	x	x	x		x		x		
Caltha palustris L.	23467	x	x	x	x	x	x	x	x	x
Clematis occidentalis (Hornem.) DC. (C. verticillaris DC.)	5678	x	x	x				x	x	
C. virginiana L.	5678	x					x	x	x	x
Coptis trifolia L. ssp. groenlandica (Oeder) Hult.	34567	x	x	x	x	x		x	x	x
Hepatica americana (DC.) Ker	567	x	x							x
Ranunculus abortivus L.	567	x		x	x		x	x		x
+ R. acris L.	14679	x	x	x	x	x	x	x	x	x
R. cymbalaria Pursh	7	x		x						
R. gmelinii DC.	2	x	x	x						
R. hispidus Michx. var. caricetorum (Greene) T.Duncan (R. septentrionalis Poir.)	134567	x	x	x	x		x	x		x
R. lapponicus L.	356	x	x	x	x	x				

DICOTYLEDONEAE

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
RANUNCULACEAE (Cont'd)										
Ranunculus longirostris Godr. (incl R. circinatus Sibth., R. subrigidus W.B.Drew)	2	x	x	x						
R. macounii Britt.	34567	x	x	x						x
R. pensylvanicus L.f.	23567	x	x	x	x	x	x	x	x	x
R. recurvatus Poir.	67									x
+ R. repens L.	2467		x					x		x
R. reptans L. (incl. R. flammula L.)	378	x	x	x		x	x	x	x	x
R. sceleratus L.	134	x		x						
R. septentrionalis Poir.	14567	x	x	x	x		x	x		x
R. trichophyllus Chaix (R. aquatilis L.)	2	x		x	x	x		x		
Thalictrum dasycarpum Fisch. & Lall.	47	x	x	x	x		x	x		x
T. dioicum L.	45678	x								x
T. pubescens Pursh (T. polygamum Muhl.)	34567	x	x	x	x	x	x	x		x
T. venulosum Trel. var. confine (Fern.) Boivin	45678	x	x		x	x	x	x		
RHAMNACEAE										
Ceanothus herbaceus Raf. (C. ovatus Desf.)	16	x								
Rhamnus alnifolius L'Hér.	134567	x	x	x	x	x	x	x		x
ROSACEAE										
Agrimonia gryposepala Wallr.	5	x							x	x
A. striata Michx.	1378	x		x				x	x	x
Amelanchier alnifolia Nutt.	14567	x	x	x	x			x	x	x
A. arborea (Michx.f.) Fern.	6									x
A. bartramiana (Tausch) M.Roemer	145678	x	x	x	x	x	x	x	x	x
A. humilis Wieg.	456	x	x	x		x		x		
A. laevis Wieg.	567	x	x	x	x		x	x	x	x
A. sanguinea (Pursh) DC.	45678	x	x	x	x	x	x	x	x	x
A. stolonifera Wieg. (incl. A. spicata auct. amer., non K.Koch)	1678	x		x		x	x	x		
Aronia melanocarpa (Michx.) Ell. (incl. A. prunifolia (Marsh.) Rehd., Pyrus floribunda Lindl.)	3567	x							x	
Crataegus chrysocarpa Ashe (C. rotundifolia Moench)	14	x			x			x	x	
C. douglasii Lindl.	7	x		x	x	x		x	x	x
C. macrantha Lodd.	47	x							x	
Dryas drummondii Richards.	8				x			x		
D. integrifolia Vahl	8				x					
Fragaria vesca L.	178	x	x		x	x	x			x
F. virginiana Duchesne	1456789	x	x	x	x	x	x	x	x	x
Geum aleppicum Jacq. (incl. G. strictum Ait.)	467	x	x	x	x	x	x	x	x	x
G. canadense Jacq.	48									x
G. macrophyllum Willd. (incl. G. X pulchrum Fern.)	478	x	x	x	x	x	x	x	x	x
G. rivale L.	23456	x	x	x	x	x	x	x	x	x
+ Malus pumila Mill. (Pyrus malus L.)	9							x		
Physocarpus opulifolius (L.) Maxim.	178	x	x	x	x	x	x	x	x	x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
ROSACEAE (Cont'd)										
Potentilla anserina L.	78	x	x	x	x	x	x	x	x	x
+ P. argentea L.	457	x	x	x	x	x			x	x
P. arguta Pursh	145678	x	x	x	x		x			x
P. canadensis L. (incl. P. simplex Michx.)	4									x
P. fruticosa L.	13456789	x	x	x	x	x	x	x	x	x
P. gracilis Dougl. ex Hook.	478	x	x							
P. hippiana Lehm.	7		x							
+ P. intermedia L.	14			x						x
P. multifida L.	78		x	x						
P. norvegica L.	13456789	x	x	x	x	x	x	x	x	x
P. palustris (L.) Scop.	124567	x	x	x	x	x	x	x	x	x
P. pensylvanica L. (incl. P. pectinata Raf.)	178	x	x		x		x	x	x	
+ P. recta L.	4678	x	x	x				x		x
P. rivalis Nutt.	1									x
P. tridentata Ait.	4678	x	x	x	x	x	x	x	x	x
Prunus nigra Ait.	4678	x	x		x					
P. pensylvanica L.f.	134678	x	x	x	x	x	x	x	x	x
P. pumila L. (incl. P. susquehanae Willd.)	145678	x				x	x	x	x	x
P. serotina Ehrh.	7									x
P. virginiana L.	178	x	x	x	x	x	x	x	x	x
Rosa acicularis Lindl.	1678	x	x		x	x		x	x	x
R. blanda Ait.	78	x	x	x	x	x	x	x	x	x
+ R. eglanteria L.	9									x
+ R. nitida Willd.	67							x		
R. palustris Marsh.	12									x
Rubus acaulis Michx.	4	x	x	x	x	x			x	
R. allegheniensis Porter	567							x	x	x
R. canadensis L.	4678			x				x	x	x
R. chamaemorus L.	34678	x	x	x	x	x				
R. hispidus L.	2					x			x	x
R. idaeus L. (incl. R. strigosus Michx.)	13456789	x	x	x	x	x	x	x	x	x
R. parviflorus Nutt.	14567	x	x	x	x		x	x	x	x
R. pubescens Raf.	1345678	x	x	x	x	x	x	x	x	x
R. recurvicaulis Blanchard	6									x
+ Sorbaria sorbifolia (L.) A.Br.	1	x		x						
Sorbus americana Marsh.	567	x	x	x	x				x	x
S. decora (Sarg.) C.K.Schneid.	567	x	x	x	x	x	x	x	x	x
Spiraea alba Du Roi (incl. S. latifolia (Ait.) Ahles)	3567	x	x	x	x	x	x	x	x	x
Waldsteinia fragarioides (Michx.) Tratt.	6	x								
RUBIACEAE										
Galium aparine L.	16									x
G. asprellum Michx.	134567	x	x	x	x	x	x	x	x	x
G. boreale L.	147	x	x	x	x	x		x	x	
G. kamtschaticum Steller ex Schultes & Schultes	1567							x	x	x
G. labradoricum Wieg.	8		x							
G. trifidum L. (incl. G. tinctorium L.)	134567	x	x	x	x		x	x	x	x
G. triflorum Michx.	156	x	x	x	x	x	x	x	x	x
+ G. verum L.	1									x
Mitchella repens L.	4567									x

DICOTYLEDONEAE

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
SALICACEAE										
Populus balsamifera L.	145678	x	x	x	x	x			x	x
P. grandidentata Michx.	167	x								x
P. tremuloides Michx.	13456789	x	x	x	x	x	x	x	x	x
+ Salix alba L.	7	x								x
S. amygdaloides Anderss.	17									x
S. bebbiana Sarg.	134567	x	x	x	x	x	x	x	x	x
S. candida Fluegge	137	x	x	x	x	x	x	x	x	x
S. discolor Muhl.	12345678	x	x	x	x	x	x	x	x	x
S. eriocephala Michx. (S. rigida Muhl.)	178	x	x		x	x	x	x	x	x
S. exigua Nutt. (S. interior Rowlee)	34567	x	x		x	x	x			x
S. humilis Marsh.	145678	x	x	x	x	x	x	x	x	x
S. lucida Muhl.	1234567	x	x	x	x	x	x	x	x	x
S. maccalliana Rowlee	4			x		x				
S. myricoides Muhl. (S. glaucophylloides Fern.)	8		x		x					
S. myrtillifolia Anderss.	8		x	x		x	x			
S. pedicellaris Pursh	23	x	x	x	x	x	x	x	x	x
S. pellita Anderss.	34567	x	x	x	x	x	x	x	x	
+ S. pentandra L.	179	x			x					
S. petiolaris J.E.Sm. (S. gracilis Anderss.)	1278	x	x	x	x	x	x	x	x	x
S. planifolia Pursh (S. phylicifolia L. ssp. planifolia (Pursh) Hiitonen)	45678	x	x	x	x	x				
S. pseudomonticola Ball (S. monticola Bebb)	47			x		x	x			
S. pyrifolia Anderss.	12347	x	x	x	x	x	x	x	x	x
S. serissima (Bailey) Feern.	13456	x	x	x	x	x	x			x
SANTALACEAE										
Comandra umbellata (L.) Nutt.	467	x								x
Geocaulon lividum (Richards.) Fern.	345678	x	x	x	x	x	x	x	x	x
SARRACENIACEAE										
Sarracenia purpurea L.	3	x	x	x	x			x	x	x
SAXIFRAGACEAE										
Chrysosplenium alternifolium L. (C. tetrandrum (Lund) Fries)	2	x								
C. americanum Schwein.	2								x	x
Heuchera richardsonii R.Br.	7	x								
Mitella nuda L.	3567	x	x	x	x	x	x	x	x	x
Parnassia glauca Raf.	7						x			x
P. palustris L.	3567	x	x	x	x	x	x	x		
P. parviflora DC.	7		x	x	x	x	x			
Ribes americanum Mill.	367	x								
R. cynosbati L.	5									x
R. glandulosum Grauer	356789	x	x	x	x	x	x	x	x	x
R. hirtellum Michx.	5678	x	x	x	x	x	x	x	x	x
R. hudsonianum Richards.	3567	x	x	x	x	x				
R. lacustre (Pers.) Poir.	3567	x	x	x	x	x		x	x	x
R. oxyacanthoides L.	567	x	x	x	x	x	x	x		
R. triste Pallas	357	x	x	x	x	x	x	x	x	x
Saxifraga paniculata Mill. (S. aizoon Jacq.)	5678	x	x	x	x	x	x	x	x	x
S. tricuspidata Rottb.	78		x		x	x				
S. virginiensis Michx.	78	x	x	x	x	x	x	x	x	x
Tiarella cordifolia L.	56									x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
SCROPHULARIACEAE										
Castilleja septentrionalis Lindl. (C. pallida (L.) Spreng. ssp. septentrionalis (Lindl.) Scoggan)	1568	x	x	x	x	x	x	x	x	
+ Chaenorrhinum minus (L.) Lange	19	x	x	x	x	x	x	x		x
Chelone glabra L.	467	x							x	x
Collinsia parviflora Lindl.	8		x							x
+ Euphrasia curta (Fries) Wett.	7	x								
E. hudsoniana Fern. & Wieg.	78	x	x	x	x	x				
+ E. stricta D.Wolff ex J.F.Lehm.	6									x
Gratiola neglecta Torr.	147	x								
+ Linaria dalmatica (L.) Mill.	179	x						x		
+ L. vulgaris Mill.	179	x		x	x	x	x	x	x	x
Melampyrum lineare Desr.	5678	x	x	x	x	x	x	x	x	x
Mimulus ringens L.	137	x	x	x			x	x		x
+ Odontites verna (Bell.) Dum. (O. serotina (Wettst.) Dum.	15679	x		x						
Orthocarpus luteus Nutt.	79		x			x				
+ Rhinanthus crista-galli L.	179	x	x			x				
Scrophularia lanceolata Pursh	7	x	x			x				x
+ Verbascum thapsus L.	167	x	x	x	x	x		x	x	x
Veronica americana (Raf.) Schwein.	14567	x	x	x	x	x	x	x	x	x
+ V. arvensis L.	45	x								x
+ V. officinalis L.	467	x								x
V. peregrina L.	1479	x	x	x	x					
+ V. persica Poir.	79	x	x							
V. scutellata L.	7	x	x	x			x	x	x	x
V. serpyllifolia L.	179	x	x	x	x	x	x	x	x	x
SOLANACEAE										
Chamaesaracha grandiflora (Hook.) Fern. (Physalis grandiflora Hook.)	179	x	x	x						
+ Solanum dulcamara L.	179									x
THYMELAEACEAE										
Dirca palustris L.	7	x								x
TILIACEAE										
Tilia americana L.	5									x
ULMACEAE										
Ulmus americana L.	1278	x								x
U. rubra Muhl.	7									x
UMBELLIFERAE										
+ Aegopodium podagraria L.	19		x							
+ Anthriscus sylvestris (L.) Hoffman	1	x								
+ Carum carvi L.	1	x	x					x		
Cicuta bulbifera L.	237	x	x	x	x		x	x	x	x
C. maculata L.	123	x		x	x					x
+ Daucus carota L.	1				x				x	x
Heracleum lanatum Michx. (H. maximum Bartr.)	167	x	x	x	x		x	x	x	x
Hydrocotyle americana L.	W17			x						x

	Habitat Code	Geographical Subdivision (W-E) W	T	N	S	P	K	M	L	B
DICOTYLEDONEAE										
UMBELLIFERAE (Cont'd)										
Osmorhiza chilensis H. & A.	567	x	x				x	x	x	x
O. claytonii (Michx.) C.B.Clarke	567	x	x						x	x
O. depauperata Phil. (O. obtusa Fern.)	467	x	x	x	x		x			x
O. longistylis (Torr.) DC.	567	x		x						x
+ Pastinaca sativa L.	146	x	x	x						
Sanicula marilandica L.	14567	x	x	x	x			x	x	x
Sium suave Walt.	123	x	x	x	x		x	x	x	x
Zizia aptera (Gray) Fern.	178			x		x				
Z. aurea (L.) W.D.J.Koch	178	x	x							
URTICACEAE										
Laportea canadensis (L.) Wedd.	567	x								
Urtica dioica L. ssp. gracilis (Ait.) Selander (incl. U. procera Muhl.)	567	x		x	x			x		x
VALERIANACEAE										
+ Valeriana officinalis L.	1									x
VERBENACEAE										
Verbena hastata L.	4	x							x	x
VIOLACEAE										
Viola adunca Sm.	14789	x	x	x	x	x	x	x	x	x
V. blanda Willd. (incl. V. incognita Brainerd)	345678	x	x	x	x	x	x	x	x	x
V. canadensis L. (incl. V. rugulosa Greene)	45678	x								
V. conspersa Reichenb.	45678	x	x	x		x		x		x
V. cucullata Ait.	45678	x		x	x	x	x	x	x	x
V. epipsila Ledeb. ssp. repens (Turcz.) Becker	3	x	x	x						
V. lanceolata L.	67				x	x			x	x
V. macloskeyi Lloyd (V. pallens (Banks) Brainerd)	145678	x	x	x	x	x	x	x	x	x
V. nephrophylla Greene	145678	x	x	x				x		
V. novae-angliae House	1678	x	x							
V. palustris L.	1678	x	x					x		
V. pubescens Ait. (incl. V. eriocarpa Schwein., V. pensylvanica Michx. var. leiocarpa (Fern. & Wieg.) Fern.)	145678	x	x	x		x		x	x	x
V. renifolia Gray	15678	x	x	x	x	x	x	x	x	x
V. selkirkii Pursh	15678	x	x	x	x			x	x	x
V. sororia Willd. (incl. V. septentrionalis Greene)	15678	x	x	x			x	x		x
+ V. tricolor L.	1			x						
VITACEAE										
Parthenocissus vitacea (Knerr) A.S.Hitch. (P. inserta (Kerner) K.Fritsch)	68	x								x

TABULAR CONSPECTUS

PTERIDOPHYTA	
EQUISETACEAE	9
ISOETACEAE	2
LYCOPODIACEAEAE	10
OPHIOGLOSSACEAE	9
OSMUNDACEAE	3
POLYPODIACEAE	37
SELAGINELLACEAE	3
	(73)
PINOPHYTA	
CUPRESSACEAE	3
PINACEAE	8
TAXACEAE	1
	(12)
MAGNOLIOPHYTA	
MONOCOTYLEDONEAE	
ALISMATACEAE	5
ARACEAE	4
CYPERACEAE	131
ERIOCAULACEAE	1
GRAMINEAE	114
HYDROCHARITACEAE	3
IRIDACEAE	3
JUNCACEAE	19
JUNCAGINACEAE	3
LEMNACEAE	3
LILIACEAE	25
NAJADACEAE	2
ORCHIDACEAE	38
PONTEDERIACEAE	1
SPARGANIACEAE	7
TYPHACEAE	2
XYRIDACEAE	1
ZANNICHELLIACEAE	1
ZOSTERACEAE	23
	(386)
DICOTYLEDONEAE	
ACERACEAE	5
ADOXACEAE	1
AIZOACEAE	1
AMARANTHACEAE	3

ANACARDIACEAE	2
APOCYNACEAE	3
AQUIFOLIACEAE	2
ARALIACEAE	5
ARISTOLOCHIACEAE	1
ASCLEPIADACEAE	2
BALSAMINACEAE	2
BERBERIDACEAE	2
BETULACEAE	8
BORAGINACEAE	12
CALLITRICHACEAE	3
CAMPANULACEAE	3
CANNABINACEAE	1
CAPRIFOLIACEAE	20
CARYOPHYLLACEAE	28
CELASTRACEAE	1
CERATOPHYLLACEAE	2
CHENOPODIACEAE	16
CISTACEAE	2
COMPOSITAE	135
CONVOLVULACEAE	4
CORNACEAE	4
CRASSULACEAE	2
CRUCIFERAE	40
CUCURBITACEAE	1
DIPSACACEAE	1
DROSERACEAE	4
ELAEAGNACEAE	2
EMPETRACEAE	1
ERICACEAE	19
EUPHORBIACEAE	4
FAGACEAE	2
FUMARIACEAE	4
GENTIANACEAE	6
GERANIACEAE	4
HALORAGACEAE	5
HIPPURIDACEAE	1
HYDROPHYLLACEAE	1
HYPERICACEAE	7
LABIATAE	19
LEGUMINOSAE	30
LENTIBULARIACEAE	8
LIMNANTHACEAE	1
LINACEAE	2
LOBELIACEAE	2
LORANTHACEAE	1
LYTHRACEAE	1
MALVACEAE	1

MYRICACEAE	2
NYCTAGINACEAE	1
NYMPHAEACEAE	6
OLEACEAE	3
ONAGRACEAE	12
OROBANCHACEAE	1
OXALIDACEAE	2
PAPAVERACEAE	1
PLANTAGINACEAE	4
POLEMONIACEAE	2
POLYGALACEAE	2
POLYGONACEAE	27
PORTULACACEAE	3
PRIMULACEAE	5
PYROLACEAE	12
RANUNCULACEAE	34
RHAMNACEAE	2
ROSACEAE	62
RUBIACEAE	9
SALICACEAE	23
SANTALACEAE	2
SARRACENIACEAE	1
SAXIFRAGACEAE	19
SCROPHULARIACEAE	24
SOLANACEAE	2
THYMELAEACEAE	1
TILIACEAE	1
ULMACEAE	2
UMBELLIFERAE	17
URTICACEAE	2
VALERIANACEAE	1
VERBENACEAE	1
VIOLACEAE	16
VITACEAE	1
	(740)

Summary

PTERIDOPHYTA	73
PINOPHYTA	12
MONOCOTYLEDONEAE	386
DICOTYLEDONEAE	740
Total	(1211)

APPENDIX I.

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